

FACTORS

THE REFERENCE GUIDE FOR PLANNING, BUILDING & RELEASING APPS

Seeing the world through a responsive lens



Edition 8

October 2017



 **Perfecto**

Table of Contents

Why We Created <i>Factors</i>	Pg. 3
How We Built <i>Factors</i> and How to Read it.....	Pg. 4
Responsive Web Design-Digital Families	Pg. 5
Key Takeaways.....	Pg. 6
NEW Regional Insights	Pg. 7

Indexes by Country

Global Web Index	Pg. 8
North and South America	
U.S.	Pg. 10
Canada.....	Pg. 11
Brazil.....	Pg. 12
EMEA:	
EU5	Pg. 13
UK.....	Pg. 14
Germany.....	Pg. 15
Netherlands.....	Pg. 16
Switzerland	Pg. 17
Italy	Pg. 18
Spain	Pg. 19
France.....	Pg. 20
APAC:	
Australia	Pg. 21
China	Pg. 22
India	Pg. 23

Calendars

Mobile Market Calendar 2017	Pg. 24
Web Browser Calendar 2017	Pg. 25

Why We Created *Factors*

Our customers often ask us a simple question:

On what devices and browsers should I be testing my apps and websites?

As the leader in quality for mobile apps and websites, Perfecto is uniquely positioned to give the most accurate answer. In this report, we've merged our exclusive data with current market data to provide a benchmark of devices, web browsers and user conditions (location changes, apps in the background) to test on, to aid in your pursuit of digital excellence. This is the culmination of what we've learned from our most-valued customers and we're excited to pass these insights on to you.

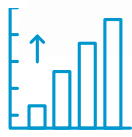


How We Built Factors and How To Read It



Data from testing on
4,000+ devices

+



Market share data
(400,000 users)

+



Our own research
and analysis

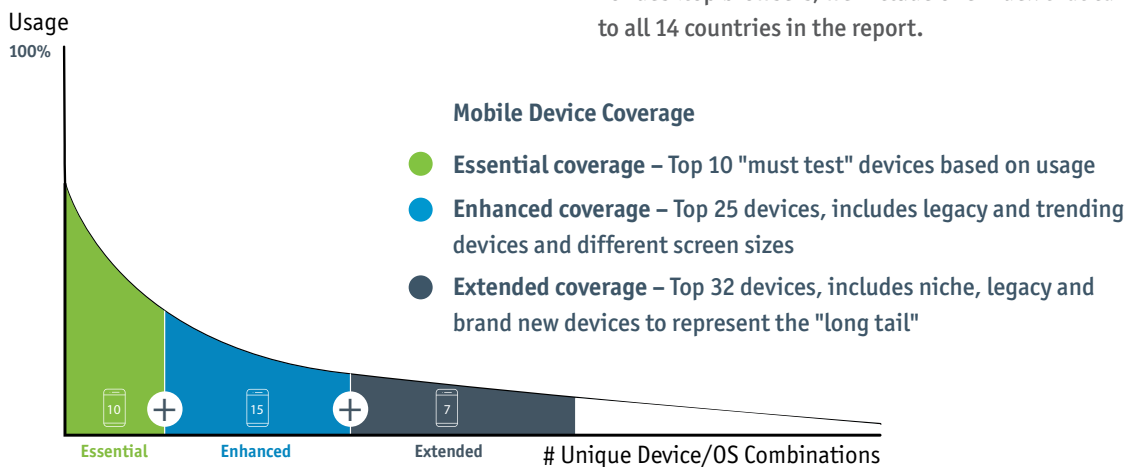
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IHS Markit

No single data source tells the full story, so for these indexes we've combined exclusive Perfecto data and mobile market usage data across a variety of countries into our own analysis.

The indexes offer up-to-date benchmarks that list the top smartphones, tablets and operating systems based on usage. **These are the device/OS combinations on which you should develop and test your mobile, web and responsive web apps.** For desktop browsers, we include one index that can be applied to all 14 countries in the report.



How to Read Factors

Each country featured in the report gets its own digital coverage profile with testing recommendations for mobile devices and operating system versions to create a holistic view of what's required for digital quality testing.

To identify your most optimal test coverage, you'll first need to determine your device coverage goal.

Devices that Matter to You

Our list of 32 devices per index for each country is winnowed down from hundreds of possible devices to give you the maximum coverage with the fewest devices possible. Each index is divided into three groups—"Essential", "Enhanced" and "Extended" (See graphic above). Each group includes the previous group's devices. If your testing covers all 32 devices across the three groups, you'll have the most complete recommended test coverage with the least risk.

Select your target country and then refer to the corresponding device list, making note of the "recommended OS version" column to see the recommended testing mix of devices and platforms. We include an up/down arrow or equals sign to indicate usage changes since last quarter. Devices that are new to the index or are reference devices running the latest OS are marked as such.

Testing Web Browsers

In our standalone Web Test Coverage Index (pg. 6), we list the browser/OS combinations—categorized by Latest, Previous and Newest Beta—that organizations in every country should test on to achieve desired market coverage. Given that browser versions update quickly and often automatically without users knowing, it's important to ensure that browser quality aligns with a variety of OS versions.

And finally, we've included an updated **mobile market and web calendars** (pgs 24 and 25) showing what device models, OS versions and browser/OS combinations to look out for this year.

Note

Factors is an objective reflection of selected markets based on mobile device usage of specific operating system versions. Some of the device and operating system combinations that are recommended in this report may no longer be available from OEMs or wireless network providers due to today's ever-changing market dynamics.

Responsive Web Design-Digital Families

Essential Web Family	Enhanced Web Family	Extended Web Family
Chrome Latest/Win 10	Chrome Beta/Win 7	Chrome Latest/Win 8.1
Chrome Latest/MacOS Latest	Chrome -1/Win 7	Chrome Beta/Win 8.1
Firefox Latest/Win 10	Firefox Beta/Win 10	Chrome -1/Win 8.1
IE 11/Win 10	Firefox Latest/Win 7	Firefox Latest/Win 8.1
Safari Latest/MacOS Latest	Firefox -1/Win 10	Firefox -1/Win 8.1
Edge Latest/Win 10	Safari Latest/MacOS -1	Firefox Beta/Win 8.1
Chrome Beta/Win 10	IE 11/Win 7	Safari -1/MacOS Latest
Chrome Latest/Win 7	IE 1/Win 8.1	Safari -1/MacOS -1
Firefox -1/Win 7	IE 9/Win 7	Firefox Beta/MacOS Latest
Chrome -1/Win 10	Chrome -1/MacOS -1	Chrome Beta/MacOS Latest
	Chrome Latest/MacOS -1	IE 8/WIN 7
	Firefox Beta/WIN 7	
Total 10 Browser Permutations	Total 12 Browser Permutations	Total 11 Browser Permutations

The above table provides insights around the 3 coverage buckets, in a similar way to the mobile coverage methodology. The buckets are also broken down by type: Essential, Enhanced and Extended. When building a test coverage strategy for a responsive website, it should obviously cover both Mobile devices and desktop browsers. The optimum strategy will invariably be the one which best merges and satisfies all 3 coverage buckets for mobile and web. If you target an Essential test coverage goal, you should sum the Essential mobile devices and the Essential desktop browsers, and so it goes for Enhanced and Extended coverage goals.

Summary

Coverage Levels	Mobile Device Coverage	Desktop Web (Only) Coverage	Responsive Web Design Coverage
Essential	Top 10	Top 10	Top 20 (Essential Web + Mobile)
Enhanced	Top 25 (Essential +15)	Top 22 (Essential +12)	Top 47 (Enhanced Web + Mobile)
Extended	Top 32 (Enhanced +7)	Top 33 (Enhanced +11)	Top 65 (Extended Web + Mobile)

Key Takeaways

Market Insights & Recommendations

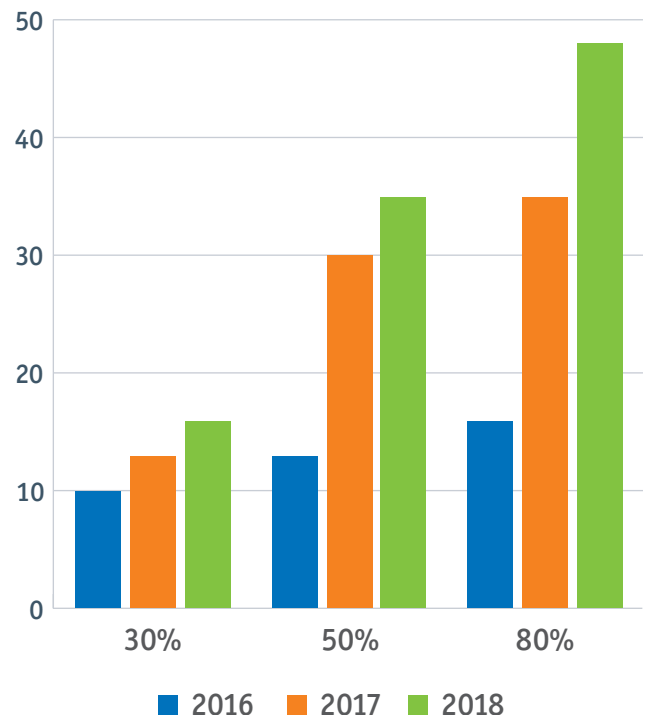
1. This quarter's main market events are the launch of **iOS11** and **iPhone 8** together with the launch of **Android Oreo (8.0)**. The 2 major platform releases are about to disrupt the dev and testing plans for organizations. **For iOS**, teams should plan to allocate iOS10.x devices like iPhone 5C and iPad 4th Generation, while most iOS devices will very soon be transitioned to iOS11. The new **iPhone X together with the Apple Watch Series 3** are also a disruption to your dev and test processes, and should be addressed during the upcoming quarter. For Android, Google shifted its Nexus brand to the **Pixel and Pixel XL**, currently enjoying significant market usage, as can be seen in this edition of Factors. Last year, Google made Android 8.0 available for these devices the same day. During this coming October, Google is expected to launch the 2nd generation of Pixel smartphones.



- 2. **Samsung is the clear Android market leader:** Following the great success of the S7 and S7 Edge, Samsung launched the S8 and S8 Plus, which are already showing high usage across most countries. China is the only exception to Samsung's market dominance. In China, Huawei, Oppo, Vivo and Apple are the market leaders. The newly released Samsung Galaxy Note 8 is also expected to dominate the market — salvaging the Note brand after the Note 7 battery debacle.
- 3. The mobile market is subject to **continuous fragmentation**. Android, despite Google's efforts to push more vendors to keep up with smartphones updates, is still **divided between Android OS families 4–5**, making the test labs and development support ever harder. As an example, **only 42 android device models** were updated with security patches introduced over the past 2 months.
- 4. As in each Factors magazine, the recommendation to cover **Beta OS versions** remains an important aspect of your test coverage strategy both from a mobile and web perspective.
- 5. **Test automation framework and open-source:** with organizations shifting toward open-source test automation frameworks, it is important to **understand the differences** and requirements in order to assign the right one for your projects. In many cases, it's recommended to have a mix of more than 1 framework (e.g. Appium and XCTest UI/Espresso) to allow both dev to develop unit tests and DevTest/QA to

develop system-level functional test automation. From a **web perspective**, with JavaScript being the de-facto testing and dev leading language, we see a clear win for JavaScript-based test frameworks, with Protractor, WebDriverIO, NightWatchJS being those most adopted for functional testing and JSDom as the unit test framework of choice.

- 6. **BDD (Behavior driven development) practice is becoming more and more adopted** – organizations that are shifting to more agile processes, are choosing BDD as their software delivery practice, and are adopting tools and test frameworks that can support it. Most leading open-source frameworks that are mentioned in insight 5 (above), are able to support BDD, making them even more appealing to developers and testers.
- 7. **Lab size is expected to grow marginally YoY as the market matures:** The annual growth projection (below) shows a slight growth in a 10-, 25- and 32-device lab based on new devices that are introduced into the market at a higher pace than older devices are retired. What we see is an annual introduction of around 15 leading devices per year with an average retirement of 5-7 per year due to decreased usage, terminated support by vendor etc. Integrating these numbers into the 30%-80% model gives annual growth as demonstrated in the following graph.

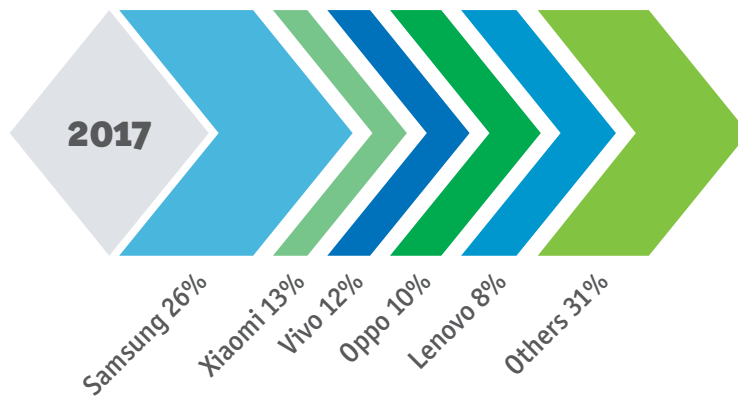


Regional Insights

India:

In India, while the market is highly dominated by Android devices, a continuous boost of new smartphones are being released on to the market every few months. That trend requires more validation of the test coverage to provide assurance that the devices under test are still covering the right families. There is no need to chase every new device that comes out, however it is important to validate that from a device **vendor perspective**, the key families that include Device/

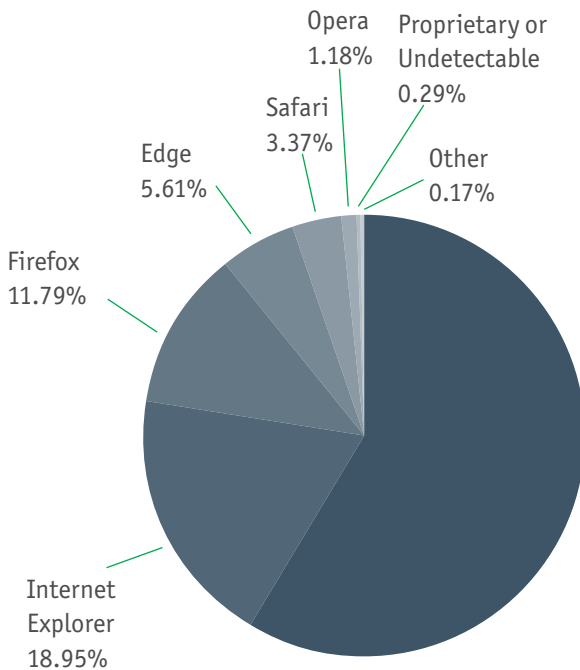
OS/Screen sizes/Hardware are well covered as recommended in the Indian Index. From a vendor perspective in India, Samsung, **Xiaomi**, Vivo and Oppo are the most dominant vendors followed by Lenovo. Teams should keep an eye on the newly released **Xiaomi Mi A1** device that would be the leading Android One mid-range Android device to joins Google's project. The Mi A1 is expected to get constant Android OS updates including the latest Android O update.



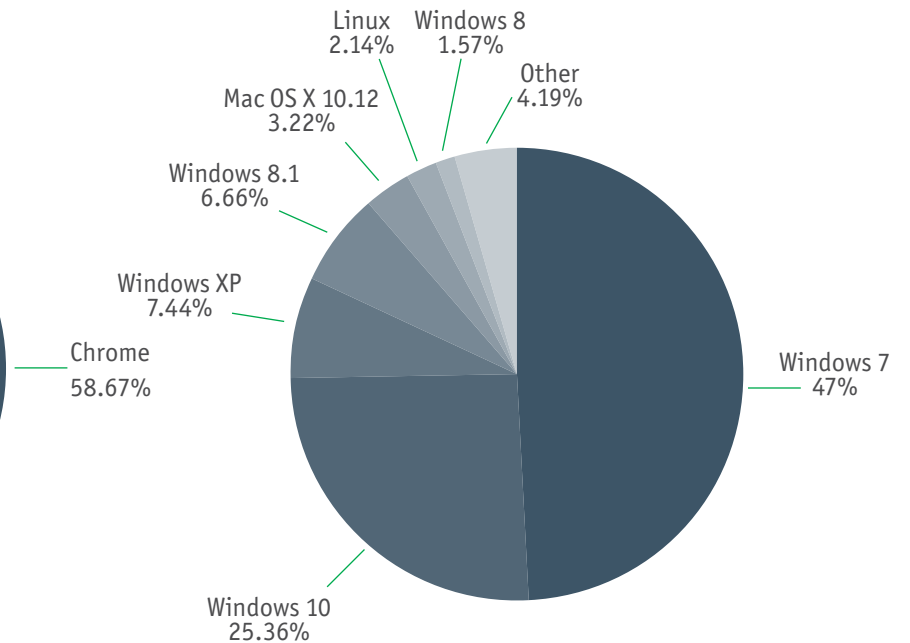
Web Text Coverage - Global



Global Web Browser Popularity



Global OS Popularity



TESTING FOR: WEB MOBILE IOT



PERFECTO IS THE ONLY SINGLE PLATFORM FOR WEB, MOBILE, AND IOT SOFTWARE TESTING.

Eliminate test lab complexity with Perfecto, featuring real web browsers, smart phones and devices in the cloud. One platform for all digital software testing. Only with Perfecto.



Essential

Device Name	Screen Size	Screen Resolution	PPI (Pixel Per Inch)	Release Date	Recommended OS Version
Apple iPhone 6S ↑	4.7"	750 x 1334	326	Sep-2015	iOS 10.3.3
Samsung Galaxy S7 ↑	5.1"	1440 x 2560	577	Mar-2016	Android 7.0
Apple iPhone 7 Plus ↑	5.5"	1080 x 1920	401	Sep-2016	iOS 11.0.3
Apple iPhone 6 ↓	4.7"	750 x 1334	326	Sep-2014	iOS 10.3.3
Samsung Galaxy S6 ↓	5.1"	1440 x 2560	515	Apr-2015	Android 6.0.1
Apple iPhone 7 ↑	4.7"	750 x 1334	326	Sep-2016	iOS 11.0.3
Apple iPhone 6S Plus ↑	5.5"	1080 x 1920	401	Sep-2014	iOS 10.3.3
Samsung Galaxy S5 ↓	5.1"	1080 x 1920	432	Apr-2014	Android 6.0.1
Google Pixel ↑ REF	5.0"	1080 x 1920	441	Oct-2016	Android 8.0
Apple iPad Air 2 ↑	9.7"	2048 x 1536	264	Oct-2014	iOS 11.0.3

Enhanced

Apple iPhone 6 Plus ↓	5.5"	1080 x 1920	401	Sep-2014	iOS 10.3.3
Apple iPhone 5S ↓	4.0"	640 x 1136	326	Sep-2013	iOS 10.3.3
Apple iPad 2 ↓	9.7"	1024 x 768	132	Mar-2011	iOS 9.3.5
Samsung Galaxy S8+ NEW	6.2"	1440 x 2960	529	Apr-2017	Android 7.0
Apple iPhone 5C ↓	4.0"	640 x 1136	326	Sep-2012	iOS 10.3.3
Samsung Galaxy Note 5 ↓	5.67"	1440 x 2560	515	Aug-2015	Android 7.0
Apple iPad 4 ↑	9.7"	2048 x 1536	264	Nov-2012	iOS 10.3.3
Samsung Galaxy S7 Edge ↓	5.5"	1440 x 2560	534	Mar-2016	Android 6.0.1
Samsung Galaxy S4 ↓	5.0"	1080 x 1920	440	Apr-2013	Android 5.0.1
Samsung Galaxy S8 NEW	5.8"	1440 x 2960	570	Apr-2017	Android 7.0
Apple iPad mini ↓	7.9"	1024 x 768	162	Nov-2012	iOS 9.3.5
Samsung Galaxy Tab S2 ↓	9.7"	1536 x 2048	264	Sep-2015	Android 6.0.1
Apple iPad Pro ↑	12.9"	2048 x 2732	264	Nov-2015	iOS 11.0.3
Apple iPad mini 2 ↑	7.9"	2048 x 1536	324	Nov-2013	iOS 10.3.3
Apple iPad 9.7 NEW	9.7"	2048 x 1536	264	Mar-2017	iOS 10.3.3

Extended

Apple iPhone 4S ↑	3.5"	640 x 960	330	Oct-2011	iOS 9.3.5
Samsung Galaxy S6 Edge ↓	5.1"	1440 x 2560	515	Apr-2015	Android 6.0.1
Apple iPhone SE NEW	4.0"	640 x 1136	326	Mar-2016	iOS 10.3.3
Samsung Galaxy Tab S3 NEW	9.7"	1536 x 2048	264	Apr-2017	Android 7.0
Google Pixel XL ↓	5.5"	1440 x 2560	534	Oct-2016	Android 8.0
Motorola Moto Z NEW	5.5"	1440 x 2560	535	Sep-2016	Android 7.1.1
Samsung Galaxy Note 8 NEW	6.3"	1440 x 2960	521	Sep-2017	Android 7.1.1



Essential

Device Name	Screen Size	Screen Resolution	PPI (Pixel Per Inch)	Release Date	Recommended OS Version
Apple iPhone 6S ↑	4.7"	750 x 1334	326	Sep-2015	iOS 10.3.3
Samsung Galaxy S7 ↑	5.1"	1440 x 2560	577	Mar-2016	Android 7.0
Apple iPhone 6 ↓	4.7"	750 x 1334	326	Sep-2014	iOS 10.3.3
Samsung Galaxy S6 ↑	5.1"	1440 x 2560	515	Apr-2015	Android 6.0.1
Apple iPad Air 2 ↑	9.7"	2048 x 1536	264	Oct-2014	iOS 11.0.3
Apple iPhone 5S ↓	4.0"	640 x 1136	326	Sep-2013	iOS 10.3.3
Apple iPad Air ↑	9.7"	2048 x 1536	264	Oct-2013	iOS 10.3.3
Apple iPhone 7 ↑	4.7"	750 x 1334	326	Sep-2016	iOS 11.0.3
Apple iPhone SE NEW	4.0"	640 x 1136	326	Mar-2016	iOS 10.3.3
Google Pixel ↑ REF	5.0"	1080 x 1920	441	Oct-2016	Android 8.0

Enhanced

Samsung Galaxy S7 Edge ↑	5.5"	1440 x 2560	534	Mar-2016	Android 7.0
Samsung Galaxy S5 neo (SM-G903W) ↓	5.1"	1080 x 1920	432	Aug-2015	Android 6.0.1
Apple iPad mini ↑	7.9"	1024 x 768	162	Nov-2012	iOS 9.3.5
Apple iPhone 6S Plus ↑	5.5"	1080 x 1920	401	Sep-2014	iOS 10.3.3
Samsung Galaxy S5 ↓	5.1"	1080 x 1920	432	Apr-2014	Android 6.0.1
Apple iPhone 4S ↓	3.5"	640 x 960	330	Oct-2011	iOS 9.3.5
Apple iPhone 7 Plus ↑	5.5"	1080 x 1920	401	Sep-2016	iOS 11.0.3
Apple iPhone 5C ↑	4.0"	640 x 1136	326	Sep-2012	iOS 10.3.3
Samsung Galaxy S8 NEW	5.8"	1440 x 2960	570	Apr-2017	Android 7.0
LG G4 ↑	5.5"	1440 x 2560	515	Apr-2015	Android 6.0
Apple iPad 4 ↑	9.7"	2048 x 1536	264	Nov-2012	iOS 10.3.3
Samsung Galaxy Note 5 ↑	5.7"	1440 x 2560	518	Aug-2015	Android 7.0
Samsung Galaxy Tab E ↑	9.6"	800 x 1280	157	Jul-2015	Android 6.0.1
Apple iPad Pro ↑	12.9"	2048 x 2732	149	Nov-2015	iOS 11.0.3
Samsung Galaxy S6 Edge ↑	5.1"	1440 x 2560	515	Apr-2015	Android 6.0.1

Extended

Apple iPad 2 ↓	9.7"	1024 x 768	132	Mar-2011	iOS 9.3.5
Apple iPhone 6 Plus ↓	5.5"	1080 x 1920	401	Sep-2014	iOS 10.3.3
Apple iPad mini 2 ↑	7.9"	2048 x 1536	324	Nov-2013	iOS 10.3.3
LG G5 NEW	5.3"	1440 x 2560	554	Apr-2016	Android 7.0
Blackberry DTEK50 =	5.2"	1080 x 1920	424	Jul-2016	Android 6.0
Huawei P10 NEW	5.1"	1080 x 1920	432	Mar-2017	Android 7.0
Blackberry Keyone NEW	4.5"	1080 x 1620	433	Apr-2017	Android 7.1



Essential

Device Name	Screen Size	Screen Resolution	PPI (Pixel Per Inch)	Release Date	Recommended OS Version
Samsung Galaxy S7 ↑	5.1"	1440 x 2560	577	Feb-2016	Android 7.0
Apple iPhone 6S ↑	4.7"	750 x 1334	326	Sep-2015	iOS 11.0.3
Samsung Galaxy S6 ↓	5.1"	1440 x 2560	515	Apr-2015	Android 6.0.1
LG K10 (K430) ↑	5.3"	720 x 1280	277	Jan-2016	Android 5.1.1
Motorola Moto G4 Plus (XT1640) ↑	5.5"	1080 x 1920	401	May 2016	Android 6.0.1
Samsung Galaxy A5 ↑	5.2"	1080 x 1920	424	Dec-2015	Android 6.0.1
Samsung Galaxy S7 Edge ↑	5.5"	1440 x 2560	534	Feb-2016	Android 6.0.1
Apple iPhone SE ↑	4.0"	640 x 1136	326	Mar-2016	iOS 10.3.3
LG G5 ↑	5.3"	1440 x 2560	554	Apr-2016	Android 6.0.1
Google Pixel ↑ REF	5.0"	1080 x 1920	441	Oct-2016	Android 8.0

Enhanced

Apple iPhone 6 ↑	4.7"	750 x 1334	326	Sep-2014	iOS 10.3.3
Apple iPhone 7 ↑	4.7"	750 x 1334	326	Sep-2016	iOS 11.0.3
Apple iPhone 6 Plus ↑	5.5"	1080 x 1920	401	Sep-2014	iOS 10.3.3
Samsung Galaxy J5 Prime NEW	5.0"	720 x 1280	294	Oct-2016	Android 6.0.1
Samsung Galaxy S5 ↓	5.1"	1080 x 1920	432	Apr-2014	Android 5.0
LG K4 (K130) ↑	4.5"	480 x 854	218	Feb-2016	Android 5.1.1
Alcatel One Touch Pixi3 ↑	4.5"	480 x 854	218	May 2015	Android 4.4.2
Motorola Moto G4 Play NEW	5.0"	720 x 1280	294	Aug-2016	Android 6.0.1
LG G4 ↓	5.5"	1440 x 2560	515	Apr-2015	Android 6.0
Samsung Galaxy A3 Duos ↑	4.5"	540 x 960	245	Dec-2014	Android 4.4.4
Alcatel Pop 4 NEW	5.0"	720 x 1280	294	Apr-2016	Android 6.0
Apple iPhone 5S ↑	4.0"	640 x 1136	326	Sep-2013	iOS 10.3.3
Motorola Moto Z Play (XT1635M) ↑	5.5"	1080 x 1920	441	Oct-2016	Android 6.0.1
Samsung Galaxy S8 NEW	5.8"	1440 x 2960	570	Apr-2017	Android 7.0
Apple iPad mini 2 =	7.9"	2048 x 1536	324	Nov-2013	iOS 10.3.3

Extended

Apple iPad Air 2 =	9.7"	2048 x 1536	264	Oct-2014	iOS 10.3.3
Samsung Galaxy A5 (2017) NEW	5.2"	1080 x 1920	424	Jan-2017	Android 7.0
Alcatel Idol4 NEW	5.2"	1080 x 1920	424	Jun-2016	Android 6.0.1
Samsung Galaxy J1 Mini NEW	4.0"	480 x 800	233	Feb-2016	Android 5.1
Sony Xperia XA NEW	5.0"	720 x 1280	294	Jun-2016	Android 7.0
Samsung Galaxy J7 Duos ↑	5.5"	720 x 1280	267	Jun-2015	Android 6.0.1
Motorola Moto G5 Plus NEW	5.2"	1080 x 1920	424	Apr-2017	Android 7.0



Essential

Device Name	Screen Size	Screen Resolution	PPI (Pixel Per Inch)	Release Date	Recommended OS Version
Apple iPhone 6S ↑	4.7"	750x1334	326	Sep-2015	iOS 10.3.3
Samsung Galaxy S7 Edge ↑	5.5"	1440 x 2560	534	Feb-2016	Android 7.0
Apple iPhone 6 ↓	4.7"	750 x 1334	326	Sep-2014	iOS 10.3.3
Samsung Galaxy S7 ↑	5.1"	1440 x 2560	577	Feb-2016	Android 7.0
Apple iPhone 7 ↑	4.7"	750 x 1334	326	Sep-2016	iOS 11.0.3
Samsung Galaxy S6 ↑	5.1"	1440 x 2560	515	Apr-2015	Android 6.0.1
Apple iPhone 5S ↓	4.0"	640 x 1136	326	Sep-2013	iOS 10.3.3
Apple iPad Air 2 ↑	9.7"	2048 x 1536	264	Oct-2014	iOS 11.0.3
Samsung Galaxy S5 ↑	5.1"	1080 x 1920	432	Apr-2014	Android 6.0.1
Google Pixel NEW REF	5.0"	1080 x 1920	441	Oct-2016	Android 8.0

Enhanced

Apple iPad 4 ↑	9.7"	2048 x 1536	264	Nov-2012	iOS 10.3.1
Samsung Galaxy S6 Edge ↓	5.1"	1440 x 2560	515	Apr-2015	Android 6.0.1
Apple iPad Air ↑	9.7"	2048 x 1536	264	Oct-2013	iOS 10.3.3
Apple iPhone SE NEW	4.0"	640 x 1136	326	Mar-2016	iOS 10.3.3
Apple iPad 2 ↓	9.7"	1024 x 768	132	Mar-2011	iOS 9.3.5
Samsung Galaxy J3 NEW	5.0"	720 x 1280	294	Jan-2016	Android 5.1.1
Apple iPhone 6 Plus ↓	5.5"	1080 x 1920	401	Sep-2014	iOS 10.3.3
Apple iPhone 5C ↓	4.0"	640 x 1136	326	Sep-2013	iOS 10.3.3
Samsung Galaxy J5 Duos ↑	5.0"	720 x 1280	294	Jun-2015	Android 6.0.1
Apple iPad mini ↓	7.9"	1024 x 768	162	Nov-2012	iOS 9.3.5
Apple iPhone 6S Plus ↓	5.5"	1080x1920	401	Sep-2015	iOS 10.3.3
Apple iPhone 7 Plus ↑	5.5"	1080 x 1920	401	Sep-2016	iOS 11.0.3
Samsung Galaxy S4 ↓	5.0"	1080 x 1920	440	Apr-2013	Android 5.0.1
Apple iPad mini 2 ↑	7.9"	2048 x 1536	324	Nov-2013	iOS 10.3.3
Huawei P9lite ↑	5.2"	1080 x 1920	424	Apr-2016	Android 6.0

Extended

Samsung Galaxy S4 mini ↑	4.3"	540 x 960	256	Jul-2013	Android 4.4.2
Samsung Galaxy A3 ↑	4.7"	720 x 1280	312	Dec-2015	Android 6.0.1
Samsung Galaxy Note 5 ↑	5.67"	1440 x 2560	515	Aug-2015	Android 7.0
Samsung Galaxy S8 NEW	5.8"	1440 x 2960	570	Apr-2017	Android 7.0
Samsung Galaxy Tab A ↓	9.7"	768 x 1024	131	May 2015	Android 6.0.1
Samsung Galaxy A5 ↓	5.2"	1080 x 1920	424	Dec-2015	Android 7.0
Apple iPad Pro NEW	9.7"	1536 x 2048	264	Mar-2016	iOS 11.0.3



Essential

Device Name	Screen Size	Screen Resolution	PPI (Pixel Per Inch)	Release Date	Recommended OS Version
Apple iPhone 6S ↑	4.7"	750 x 1334	326	Sep-2015	iOS 10.3.3
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Apple iPhone 7 ↑	4.7"	750 x 1334	326	Sep-2016	iOS 11.0.3
Apple iPhone 6 ↓	4.7"	750 x 1334	326	Sep-2014	iOS 10.3.3
Samsung Galaxy S7 ↑	5.1"	1440 x 2560	577	Feb-2016	Android 7.0
Apple iPhone 5S ↓	4.0"	640 x 1136	326	Sep-2013	iOS 10.3.3
Samsung Galaxy S6 ↓	5.1"	1440 x 2560	515	Apr-2015	Android 6.0.1
Apple iPhone SE ↑	4.0"	640 x 1136	326	Mar-2016	iOS 10.3.3
Google Pixel NEW REF	5.0"	1080 x 1920	441	Oct-2016	Android 8.0
Apple iPad Air 2 ↑	9.7"	2048 x 1536	264	Oct-2014	iOS 11.0.3

Enhanced

Apple iPad mini ↑	7.9"	1024 x 768	162	Nov-2012	iOS 9.3.5
Samsung Galaxy S6 Edge ↑	5.1"	1440 x 2560	515	Apr-2015	Android 6.0.1
Apple iPad Air ↑	9.7"	2048 x 1536	264	Oct-2013	iOS 10.3.3
Apple iPhone 7 Plus ↑	5.5"	1080 x 1920	401	Sep-2016	iOS 11.0.3
Apple iPad 2 ↑	9.7"	1024 x 768	132	Mar-2011	iOS 9.3.5
Samsung Galaxy J3 ↑	5.0"	720 x 1280	294	Jan-2016	Android 5.1.1
Samsung Galaxy S5 ↑	5.1"	1080 x 1920	432	Apr-2014	Android 6.0.1
Apple iPhone 4S ↑	3.5"	640 x 960	330	Oct-2011	iOS 9.3.5
Apple iPhone 6S Plus ↑	5.5"	1080 x 1920	401	Sep-2014	iOS 10.3.3
Samsung Galaxy S8 NEW	5.8"	1440 x 2960	570	Apr-2017	Android 7.0
Samsung Galaxy J5 Duos ↑	5.0"	720 x 1280	294	Jun-2015	Android 5.1.1
Apple iPad mini 2 ↑	7.9"	2048 x 1536	324	Nov-2013	iOS 10.3.3
Apple iPhone 5C ↓	4.0"	640 x 1136	326	Sep-2013	iOS 10.3.3
LG G5 ↓	5.3"	1440 x 2560	554	Apr-2016	Android 7.0
Samsung Galaxy S4 ↓	5.0"	1080 x 1920	440	Apr-2013	Android 5.0.1

Extended

Apple iPad 4 ↑	9.7"	2048 x 1536	264	Nov-2012	iOS 10.3.1
Samsung Galaxy A3 ↑	4.7"	720 x 1280	312	Dec-2015	Android 6.0.1
Apple iPad Pro NEW	9.7"	1536 x 2048	264	Mar-2016	iOS 11.0.3
Huawei P9 ↓	5.2"	1080 x 1920	423	Apr-2016	Android 6.0
Samsung Galaxy Note 5 ↓	5.67"	1440 x 2560	515	Aug-2015	Android 7.0
Samsung Galaxy S8+ NEW	6.2"	1440 x 2960	529	Apr-2017	Android 7.0
Samsung Galaxy Tab 3 ↓	10.1"	800 x 1280	149	Jul-2013	Android 4.4.2



Essential

Device Name	Screen Size	Screen Resolution	PPI (Pixel Per Inch)	Release Date	Recommended OS Version
Samsung Galaxy S7 ↑	5.1"	1440 x 2560	577	Feb-2016	Android 7.0
Apple iPhone 6S ↑	4.7"	750 x 1334	326	Sep-2015	iOS 10.3.3
Samsung Galaxy S6 ↓	5.1"	1440 x 2560	515	Apr-2015	Android 6.0.1
Apple iPhone 7 ↑	4.7"	750 x 1334	326	Sep-2016	iOS 11.0.3
Samsung Galaxy S7 Edge ↑	5.5"	1440 x 2560	534	Mar-2016	Android 7.0
Apple iPhone 6 ↓	4.7"	750 x 1334	326	Sep-2014	iOS 10.3.3
Samsung Galaxy S5 ↑	5.1"	1080 x 1920	432	Apr-2014	Android 6.0.1
Apple iPhone 5S ↓	4.0"	640 x 1136	326	Sep-2013	iOS 10.3.3
Samsung Galaxy S6 Edge ↓	5.1"	1440 x 2560	515	Apr-2015	Android 5.1.1
Google Pixel ↑ REF	5.0"	1080 x 1920	441	Oct-2016	Android 8.0

Enhanced

Apple iPad Air 2 ↑	9.7"	2048 x 1536	264	Oct-2014	iOS 11.0.3
Apple iPhone SE ↑	4.0"	640 x 1136	326	Mar-2016	iOS 10.3.3
Samsung Galaxy A5 ↑	5.2"	1080 x 1920	424	Dec-2015	Android 7.0
Samsung S5 Mini ↑	4.5"	720 x 1280	326	Jun-2014	Android 5.1.1
Huawei P8lite ↑	5.0"	720 x 1280	294	May 2015	Android 6.0
Apple iPad Air ↑	9.7"	2048 x 1536	264	Oct-2013	iOS 10.3.3
Samsung Galaxy S4 ↓	5.0"	1080 x 1920	440	Apr-2013	Android 5.0.1
Apple iPhone 6S Plus ↑	5.5"	1080 x 1920	401	Sep-2014	iOS 10.3.3
Samsung Galaxy S5 Neo ↑	5.1"	1080 x 1920	432	Aug-2015	Android 6.0.1
Apple iPhone 4S ↓	3.5"	640 x 960	330	Oct-2011	iOS 9.3.5
Apple iPad mini ↑	7.9"	1024 x 768	162	Nov-2012	iOS 9.3.5
Samsung Galaxy J5 Duos ↓	5.0"	720 x 1280	294	Jun-2015	Android 5.1.1
Samsung Galaxy S8 NEW	5.8"	1440 x 2960	570	Apr-2017	Android 7.0
Apple iPhone 7 Plus ↑	5.5"	1080 x 1920	401	Sep-2016	iOS 11.0.3
Huawei P9lite ↑	5.2"	1080 x 1920	424	Apr-2016	Android 6.0

Extended

Samsung Galaxy S3 Neo ↓	4.8"	720 x 1280	306	May 2014	Android 4.4.2
Apple iPad 3 ↓	9.7"	1024 x 768	132	Mar-2011	iOS 10.3.3
Samsung Galaxy Tab A NEW	9.7"	768 x 1024	131	May 2015	Android 6.0.1
Samsung Galaxy A3 ↑	4.7"	720 x 1280	312	Dec-2015	Android 6.0.1
Sony Xperia XZ NEW	5.2"	1080 x 1920	424	Sep-2016	Android 6.0.1
Apple iPad mini 2 ↓	7.9"	2048 x 1536	324	Nov-2013	iOS 10.3.3
Samsung Galaxy S8+ NEW	6.2"	1440 x 2960	529	Apr-2017	Android 7.0



Essential

Device Name	Screen Size	Screen Resolution	PPI (Pixel Per Inch)	Release Date	Recommended OS Version
Apple iPhone 6S ↑	4.7"	750 x 1334	326	Sep-2015	iOS 10.3.3
Samsung Galaxy S7 ↑	5.1"	1440 x 2560	577	Feb-2016	Android 7.0
Apple iPhone 7 ↑	4.7"	750 x 1334	326	Sep-2016	iOS 11.0.3
Samsung Galaxy S7 Edge ↑	5.5"	1440 x 2560	534	Feb-2016	Android 7.0
Samsung Galaxy S6 ↓	5.1"	1440 x 2560	515	Apr-2015	Android 6.0.1
Apple iPhone 6 ↓	4.7"	750 x 1334	326	Sep-2014	iOS 10.3.3
Apple iPad Air 2 ↑	9.7"	2048 x 1536	264	Oct-2014	iOS 11.0.3
Apple iPhone 5S ↓	4.0"	640 x 1136	326	Sep-2013	iOS 10.3.3
Google Pixel NEW REF	5.0"	1080 x 1920	441	Oct-2016	Android 8.0
Apple iPhone SE ↑	4.0"	640 x 1136	326	Mar-2016	iOS 10.3.3

Enhanced

Apple iPad 3 ↑	9.7"	1024 x 768	132	Mar-2011	iOS 10.3.3
Samsung Galaxy S5 Neo ↑	5.1"	1080 x 1920	432	Aug-2015	Android 6.0.1
Apple iPad Air ↑	9.7"	2048 x 1536	264	Oct-2013	iOS 10.3.3
Apple iPhone 6S Plus ↑	5.5"	1080 x 1920	401	Sep-2014	iOS 10.3.3
Apple iPad 2 ↓	9.7"	1024 x 768	132	Mar-2011	iOS 9.3.5
Samsung Galaxy S5 ↑	5.1"	1080 x 1920	432	Apr-2014	Android 6.0.1
Samsung Galaxy S6 Edge ↓	5.1"	1440 x 2560	515	Apr-2015	Android 6.0.1
Apple iPhone 7 Plus ↑	5.5"	1080 x 1920	401	Sep-2016	iOS 11.0.3
Apple iPad mini ↑	7.9"	1024 x 768	162	Nov-2012	iOS 9.3.5
Samsung Galaxy S8	5.8"	1440 x 2960	570	Apr-2017	Android 7.0
Samsung Galaxy A3 ↑	4.7"	720 x 1280	312	Dec-2015	Android 6.0.1
Apple iPhone 5C ↑	4.0"	640 x 1136	326	Sep-2013	iOS 10.3.3
Samsung Galaxy J5 Duos ↑	5.0"	720 x 1280	294	Jun-2015	Android 5.1.1
Samsung Galaxy S4 ↓	5.0"	1080 x 1920	440	Apr-2013	Android 5.0.1
Huawei P8lite ↓	5.0"	720 x 1280	294	May 2015	Android 6.0

Extended

Samsung Galaxy A5 NEW	5.2"	1080 x 1920	424	Dec-2015	Android 7.0
Samsung S5 Mini NEW	4.5"	720 x 1280	326	Jun-2014	Android 5.1.1
Samsung Galaxy Tab A NEW	9.7"	768 x 1024	131	May 2015	Android 6.0.1
Samsung Galaxy J3 NEW	5.0"	720 x 1280	294	Jan-2016	Android 5.1.1
Sony Xperia XZ NEW	5.2"	1080 x 1920	424	Sep-2016	Android 6.0.1
Apple iPad Mini 2 ↑	7.9"	1536 x 2048	324	Nov-2013	iOS 10.3.3
Samsung Galaxy Note 4 =	5.7"	1440 x 2560	515	Sep-2014	Android 6.0.1



Essential

Device Name	Screen Size	Screen Resolution	PPI (Pixel Per Inch)	Release Date	Recommended OS Version
Apple iPhone 6S ↑	4.7"	750 x 1334	326	Sep-2015	iOS 10.3.3
Samsung Galaxy S7 Edge ↑	5.5"	1440 x 2560	534	Feb-2016	Android 7.0
Apple iPhone 7 ↑	4.7"	750 x 1334	326	Sep-2016	iOS 11.0.3
Apple iPhone 6 ↓	4.7"	750 x 1334	326	Sep-2014	iOS 10.3.3
Samsung Galaxy S7 ↑	5.1"	1440 x 2560	577	Feb-2016	Android 7.0
Samsung Galaxy S6 ↓	5.1"	1440 x 2560	515	Apr-2015	Android 6.0.1
Apple iPhone 7 Plus ↑	5.5"	1080 x 1920	401	Sep-2016	iOS 11.0.3
Apple iPhone 5S ↑	4.0"	640 x 1136	326	Sep-2013	iOS 10.3.3
Google Pixel NEW REF	5.0"	1080 x 1920	441	Oct-2016	Android 8.0
Samsung Galaxy S6 Edge ↓	5.1"	1440 x 2560	515	Apr-2015	Android 6.0.1

Enhanced

Apple iPad Air 2 ↑	9.7"	2048 x 1536	264	Oct-2014	iOS 11.0.3
Apple iPhone SE ↑	4.0"	640 x 1136	326	Mar-2016	iOS 10.3.3
Apple iPhone 6S Plus ↑	5.5"	1080 x 1920	401	Sep-2014	iOS 10.3.3
Apple iPad Air ↑	9.7"	2048 x 1536	264	Oct-2013	iOS 10.3.3
Samsung Galaxy S5 ↓	5.1"	1080 x 1920	432	Apr-2014	Android 6.0.1
Apple iPad 2 ↓	9.7"	1024 x 768	132	Mar-2011	iOS 9.3.5
Apple iPad mini ↓	7.9"	1024 x 768	162	Nov-2012	iOS 9.3.5
Samsung Galaxy S8 NEW	5.8"	1440 x 2960	570	Apr-2017	Android 7.0
Samsung Galaxy A3 NEW	4.7"	720 x 1280	312	Dec-2015	Android 6.0.1
Apple iPad Mini 2 ↑	7.9"	1536 x 2048	324	Nov-2013	iOS 10.3.3
Samsung Galaxy A5 ↑	5.2"	1080 x 1920	424	Dec-2015	Android 7.0
Apple iPad Pro NEW	9.7"	1536 x 2048	264	Mar-2016	iOS 10.3.3
Apple iPhone 5C ↑	4.0"	640 x 1136	326	Sep-2013	iOS 10.3.1
Apple iPad 4 ↑	9.7"	2048 x 1536	264	Nov-2012	iOS 11.0.3
Samsung Galaxy S4 ↓	5.0"	1080 x 1920	440	Apr-2013	Android 5.0.1

Extended

Samsung Galaxy S8+ NEW	6.2"	1440 x 2960	529	Apr-2017	Android 7.0
Apple iPad Pro ↑	12.9"	2048 x 2732	264	Nov-2015	iOS 11.0.3
Samsung Galaxy S4 mini ↑	4.3"	540 x 960	256	Jul-2013	Android 4.4.2
Samsung Galaxy Note 5 ↑	5.67"	1440 x 2560	515	Aug-2015	Android 7.0
Samsung Galaxy Tab A ↓	9.7"	768 x 1024	131	May 2015	Android 6.0.1
Huawei P9 ↓	5.2"	1080 x 1920	423	Apr-2016	Android 6.0
Sony Xperia XZ ↓	5.2"	1080 x 1920	424	Sep-2016	Android 6.0.1



Essential

Device Name	Screen Size	Screen Resolution	PPI (Pixel Per Inch)	Release Date	Recommended OS Version
Apple iPhone 6S ↑	4.7"	750 x 1334	326	Sep-2015	iOS 10.3.3
Huawei P8lite ↑	5.0"	720 x 1280	294	May 2015	Android 6.0
Apple iPhone 6 ↓	4.7"	750 x 1334	326	Sep-2014	iOS 10.3.3
Samsung Galaxy S7 Edge ↑	5.5"	1440 x 2560	534	Feb-2016	Android 7.0
Apple iPhone 7 ↑	4.7"	750 x 1334	326	Sep-2016	iOS 11.0.3
Huawei P9lite ↑	5.2"	1080 x 1920	424	Apr-2016	Android 7.0
Samsung Galaxy S3 Neo ↑	4.8"	720 x 1280	306	May 2014	Android 4.4.4
Samsung Galaxy S7 ↑	5.1"	1440 x 2560	577	Feb-2016	Android 6.0.1
Samsung Galaxy J5 Duos ↑	5.0"	720 x 1280	294	Jun-2015	Android 6.0.1
Google Nexus 5X = REF	5.0"	1080 x 1920	424	Oct-2015	Android 8.0

Enhanced

Samsung Galaxy S6 ↓	5.1"	1440 x 2560	515	Apr-2015	Android 5.1.1
Samsung Galaxy J3 ↑	5.0"	720 x 1280	294	Jan-2016	Android 5.1.1
Apple iPhone 5S ↑	4.0"	640 x 1136	326	Sep-2013	iOS 10.3.3
Samsung Galaxy S5 ↑	5.1"	1080 x 1920	432	Apr-2014	Android 6.0.1
Apple iPad Air 2 ↑	9.7"	2048 x 1536	264	Oct-2014	iOS 10.3.3
Samsung Galaxy J7 NEW	5.5"	720 x 1280	267	Apr-2016	Android 6.0.1
Apple iPad Air ↑	9.7"	2048 x 1536	264	Oct-2013	iOS 10.3.3
Samsung Galaxy Grand Neo ↑	5.0"	480 x 800	186	Feb-2014	Android 4.4.4
Samsung Galaxy A5 ↑	5.2"	1080 x 1920	424	Dec-2015	Android 7.0
Apple iPhone 5 ↓	4.0"	640 x 1136	326	Sep-2012	iOS 10.3.3
Samsung Galaxy S6 Edge ↓	5.1"	1440 x 2560	515	Apr-2015	Android 6.0.1
Apple iPad 2 ↓	9.7"	1024 x 768	132	Mar-2011	iOS 9.3.5
Samsung Galaxy S4 ↑	5.0"	1080 x 1920	440	Apr-2013	Android 5.0.1
Apple iPad 4 ↑	9.7"	2048 x 1536	264	Nov-2012	iOS 10.3.3
Apple iPhone 6S Plus ↑	5.5"	1080 x 1920	401	Sep-2014	iOS 10.3.3

Extended

Apple iPad mini ↓	7.9"	1024 x 768	162	Nov-2012	iOS 9.3.5
Huawei GR3 (2017) NEW	5.2"	1080 x 1920	424	Jan-2017	Android 7.0
Samsung Galaxy A3 NEW	4.7"	720 x 1280	312	Dec-2015	Android 6.0.1
Apple iPhone 7 Plus ↑	5.5"	1080 x 1920	401	Sep-2016	iOS 11.0.3
Samsung Galaxy S5 Neo ↑	5.1"	1080 x 1920	432	Aug-2015	Android 6.0.1
Samsung Galaxy Note 4 ↓	5.7"	1440 x 2560	515	Sep-2014	Android 6.0.1
Samsung Galaxy S8 NEW	5.8"	1440 x 2960	570	Apr-2017	Android 7.0



Essential

Device Name	Screen Size	Screen Resolution	PPI (Pixel Per Inch)	Release Date	Recommended OS Version
Huawei P8lite ↑	5.0"	720 x 1280	294	May-2015	Android 6.0
Apple iPhone 6S ↑	4.7"	750 x 1334	326	Sep-2015	iOS 10.3.3
Samsung Galaxy S7 Edge ↑	5.5"	1440 x 2560	534	Feb-2016	Android 7.0
Samsung Galaxy J7 ↑	5.5"	720 x 1280	267	Apr-2016	Android 6.0.1
Samsung Galaxy J5 Duos ↑	5.0"	720 x 1280	294	Jun-2015	Android 6.0.1
Apple iPhone 6 ↓	4.7"	750 x 1334	326	Sep-2014	iOS 10.3.3
Apple iPhone 7 ↑	4.7"	750 x 1334	326	Sep-2016	iOS 11.0.3
Samsung Galaxy S6 ↓	5.1"	1440 x 2560	515	Apr-2015	Android 6.0.1
Samsung Galaxy S7 ↑	5.1"	1440 x 2560	577	Feb-2016	Android 7.0
Google Nexus 5X = [REF]	5.0"	1080 x 1920	424	Oct-2015	Android 8.0

Enhanced

Apple iPad Air 2 ↑	9.7"	2048 x 1536	264	Oct-2014	iOS 11.0.3
Samsung Galaxy J3 NEW	5.0"	720 x 1280	294	Jan-2016	Android 5.1.1
Apple iPad Air ↑	9.7"	2048 x 1536	264	Oct-2013	iOS 10.3.3
Samsung Galaxy S4 ↓	5.0"	1080 x 1920	440	Apr-2013	Android 5.0.1
Samsung Galaxy Grand Prime ↓	5.0"	540 x 960	220	Oct-2014	Android 5.1.1
Apple iPhone 5S ↓	4.0"	640 x 1136	326	Sep-2013	iOS 10.3.3
Samsung Galaxy S5 ↑	5.1"	1080 x 1920	432	Apr-2014	Android 6.0.1
Apple iPad 2 ↑	9.7"	1024 x 768	132	Mar-2011	iOS 9.3.5
Apple iPhone 7 Plus ↑	5.5"	1080 x 1920	401	Sep-2016	iOS 11.0.3
Huawei P9lite ↑	5.2"	1080 x 1920	424	Apr-2016	Android 6.0
Samsung Galaxy A5 NEW	5.2"	1080 x 1920	424	Dec-2015	Android 7.0
Samsung Galaxy Grand Neo ↑	5.0"	480 x 800	186	Feb-2014	Android 4.4.4
Huawei Y635 ↑	5.0"	480 x 854	196	May 2015	Android 4.4.4
Apple iPhone 4S ↑	3.5"	640 x 960	330	Oct-2011	iOS 9.3.5
Apple iPhone 6 Plus ↑	5.5"	1080 x 1920	401	Sep-2014	iOS 10.3.1

Extended

Samsung Galaxy Tab A ↑	9.7"	768 x 1024	132	May 2015	Android 6.0.1
Apple iPad mini ↑	7.9"	1024 x 768	162	Nov-2012	iOS 9.3.5
Apple iPhone 6S Plus ↑	5.5"	1080 x 1920	401	Sep-2014	iOS 10.3.3
bq Aquaris M5 ↑	5.0"	1080 x 1920	441	Jan-2015	Android 6.0.1
Apple iPad 4 ↑	9.7"	2048 x 1536	264	Nov-2012	iOS 10.3.3
Samsung Galaxy S6 Edge ↓	5.1"	1440 x 2560	515	Apr-2015	Android 6.0.1
Samsung Galaxy Note 4 ↓	5.7"	1440 x 2560	515	Sep-2014	Android 6.0.1



Essential

Device Name	Screen Size	Screen Resolution	PPI (Pixel Per Inch)	Release Date	Recommended OS Version
Apple iPhone 6S ↓	4.7"	750x1334	326	Sep-2015	iOS 10.3.3
Samsung Galaxy S7 Edge ↑	5.5"	1440 x 2560	534	Feb-2016	Android 7.0
Apple iPad Air 2 ↑	9.7"	2048 x 1536	264	Oct-2014	iOS 11.0.3
Samsung Galaxy J3 ↑	5.0"	720 x 1280	294	Jan-2016	Android 5.1.1
Apple iPhone 6 ↓	4.7"	750 x 1334	326	Sep-2014	iOS 10.3.3
Apple iPhone 7 ↑	4.7"	750 x 1334	326	Sep-2016	iOS 11.0.3
Apple iPad Air ↑	9.7"	2048 x 1536	264	Oct-2013	iOS 10.3.3
Samsung Galaxy S7 ↑	5.1"	1440 x 2560	577	Feb-2016	Android 7.0
Apple iPad mini 2 ↑	7.9"	2048 x 1536	324	Nov-2013	iOS 10.3.3
Google Nexus 5X = [REF]	5.0"	1080 x 1920	424	Oct-2015	Android 8.0

Enhanced

Apple iPad 2 ↑	9.7"	1024 x 768	132	Mar-2011	iOS 9.3.5
Apple iPhone SE ↑	4.0"	640 x 1136	326	Mar-2016	iOS 10.3.3
Samsung Galaxy S6 ↓	5.1"	1440 x 2560	515	Apr-2015	Android 6.0.1
Apple iPhone 5S ↓	4.0"	640 x 1136	326	Sep-2013	iOS 10.3.1
Samsung Galaxy S6 Edge ↑	5.1"	1440 x 2560	515	Apr-2015	Android 6.0.1
Samsung Galaxy Tab A ↑	9.7"	768 x 1024	131	May 2015	Android 5.0.2
Samsung Galaxy Grand Prime ↑	5.0"	540 x 960	220	Oct-2014	Android 5.1.1
Samsung Galaxy S5 ↓	5.1"	1080 x 1920	432	Apr-2014	Android 5.0
Samsung Galaxy A3 ↑	4.7"	720 x 1280	312	Dec-2015	Android 6.0.1
Apple iPhone 7 Plus NEW	5.5"	1080 x 1920	401	Sep-2016	iOS 11.0.3
Apple iPad mini ↓	7.9"	1024 x 768	162	Nov-2012	iOS 9.3.5
Samsung Galaxy J5 Duos ↑	5.0"	720 x 1280	294	Jun-2015	Android 5.1.1
Samsung Galaxy A5 ↑	5.2"	1080 x 1920	424	Dec-2016	Android 7.0
Samsung Galaxy S4 ↓	5.0"	1080 x 1920	440	Apr-2013	Android 5.0.1
Apple iPhone 6S Plus ↑	5.5"	1080 x 1920	401	Sep-2014	iOS 10.3.3

Extended

Huawei P8lite ↑	5.0"	720 x 1280	294	May-2015	Android 6.0
Apple iPhone 4S ↓	3.5"	640 x 960	330	Oct-2011	iOS 9.3.5
Samsung Galaxy J7 NEW	5.5"	720 x 1280	267	Apr-2016	Android 6.0.1
Apple iPad Pro NEW	9.7"	1536 x 2048	264	Mar-2016	iOS 11.0.3
Samsung Galaxy Note 4 ↓	5.7"	1440 x 2560	515	Sep-2014	Android 6.0.1
Apple iPhone 5C ↓	4.0"	640 x 1136	326	Sep-2013	iOS 10.3.3
Huawei P9 ↓	5.2"	1080 x 1920	423	Apr-2016	Android 6.0



Essential

Device Name	Screen Size	Screen Resolution	PPI (Pixel Per Inch)	Release Date	Recommended OS Version
Apple iPhone 6S ↑	4.7"	750 x 1334	326	Sep-2015	iOS 10.3.3
Samsung Galaxy S7 ↑	5.1"	1440 x 2560	577	Feb-2016	Android 7.0
Apple iPhone 7 ↑	4.7"	750 x 1334	326	Sep-2016	iOS 11.0.3
Apple iPhone 6 ↓	4.7"	750 x 1334	326	Sep-2014	iOS 10.3.3
Samsung Galaxy S5 ↑	5.1"	1080 x 1920	432	Apr-2014	Android 5.0
Apple iPhone 6S Plus ↑	5.5"	1080 x 1920	401	Sep-2014	iOS 10.3.3
Apple iPhone 7 Plus ↑	5.5"	1080 x 1920	401	Sep-2016	iOS 11.0.3
Apple iPad Air 2 ↑	9.7"	2048 x 1536	264	Oct-2014	iOS 11.0.3
Samsung Galaxy S7 Edge ↑	5.5"	1440 x 2560	534	Feb-2016	Android 7.0
Google Pixel NEW REF	5.0"	1080 x 1920	441	Oct-2016	Android 8.0

Enhanced

Apple iPhone 5S ↓	4.0"	640 x 1136	326	Sep-2013	iOS 10.3.3
Samsung Galaxy S6 ↓	5.1"	1440 x 2560	515	Apr-2015	Android 6.0.1
Apple iPhone 6 Plus ↓	5.5"	1080 x 1920	401	Sep-2014	iOS 10.3.3
Samsung Galaxy S8 NEW	5.8"	1440 x 2960	570	Apr-2017	Android 7.0
Apple iPad 2 ↓	9.7"	1024 x 768	132	Mar-2011	iOS 9.3.5
Apple iPhone SE ↑	4.0"	640 x 1136	326	Mar-2016	iOS 10.3.3
Apple iPad Air ↑	9.7"	2048 x 1536	264	Oct-2013	iOS 10.3.3
Apple iPad mini ↑	7.9"	1024 x 768	162	Nov-2012	iOS 9.3.5
Samsung Galaxy S8+ NEW	6.2"	1440 x 2960	529	Apr-2017	Android 7.0
Samsung Galaxy Tab A ↑	8.0"	768 x 1024	160	May 2015	Android 6.0.1
Google Pixel XL ↑	5.5"	1440 x 2560	534	Oct-2016	Android 8.0
Samsung Galaxy S6 Edge ↓	5.1"	1440 x 2560	515	Apr-2015	Android 6.0.1
Apple iPad 4 ↑	9.7"	2048 x 1536	264	Nov-2012	iOS 10.3.3
Apple iPhone 5 ↓	4.0"	640 x 1136	326	Sep-2012	iOS 10.3.3
Apple iPad mini 2 ↑	7.9"	2048 x 1536	324	Nov-2013	iOS 10.3.3

Extended

Samsung Galaxy Note 5 ↑	5.7"	1440 x 2560	515	Aug-2015	Android 7.0
Apple iPhone 5C ↑	4.0"	640 x 1136	326	Sep-2013	iOS 10.3.3
Samsung Galaxy S4 ↑	5.0"	1080 x 1920	440	Apr-2013	Android 5.0.1
OPPO F1s ↓	5.5"	720 x 1280	267	Aug-2016	Android 5.1
Apple iPad Pro NEW	9.7"	1536 x 2048	264	Mar-2016	iOS 10.3.3
Huawei Mate 9 NEW	5.9"	1080 x 1920	373	Dec-2016	Android 7.0
Apple iPad Pro NEW	12.9"	2048 x 2732	264	Nov-2015	iOS 11.0.3



Essential

Device Name	Screen Size	Screen Resolution	PPI (Pixel Per Inch)	Release Date	Recommended OS Version
Huawei Honor 8 ↑	5.2"	1080 x 1920	423	Jul-2016	Android 6.0
Oppo R9S ↑	5.5"	1080 x 1920	401	Oct-2016	Android 6.0.1
Huawei Honor 6X NEW	5.5"	1080 x 1920	403	Oct-2016	Android 7.0
Vivo V5 NEW	5.5"	720 x 1280	267	Oct-2016	Android 6.0
Xiaomi Mi 5 ↑	5.15"	1080x1920	428	Apr-2016	Android 6.0
Apple iPhone 7 ↑	4.7"	750 x 1334	326	Sep-2016	iOS 11.0.3
Oppo F1 ↑	5.0"	720 x 1280	294	Jan-2016	Android 5.1
Huawei P10 NEW	5.1"	1080 x 1920	432	Mar-2017	Android 7.0
Meizu Pro 6 NEW	5.2"	1080 x 1920	423	May-2016	Android 6.0
Huawei P9 ↑	5.2"	1080 x 1920	423	Apr-2016	Android 6.0

Enhanced

Apple iPhone 6S ↑	4.7"	750 x 1334	326	Sep-2015	iOS 10.3.3
Vivo V3 ↓	5.0"	720 x 1280	294	Apr-2016	Android 5.1
Elephone P9000 ↑	5.5"	1080 x 1920	401	Apr-2016	Android 6.0
Oppo A57 NEW	5.2"	720 x 1280	282	Dec-2016	Android 6.0
OnePlus 3T ↓	5.5"	1080 x 1920	401	Nov-2016	Android 7.1.1
Leeco Le Max 2 ↑	5.7"	1440 x 2560	515	May-2016	Android 6.0
Xiaomi Redmi 3S ↑	5.0"	720 x 1280	294	Jun-2016	Android 6.0.1
Samsung Galaxy S7 Edge ↑	5.5"	1440 x 2560	534	Feb-2016	Android 7.0
Elephone S7 ↑	5.5"	1080x1920	401	Dec-2016	Android 6.0
Huawei Mate 9 NEW	5.9"	1080 x 1920	373	Dec-2016	Android 7.0
Xiaomi Redmi Note 2	5.5"	1080x1920	403	Aug-2015	Android 5.0
Samsung Galaxy S8 NEW	5.8"	1440 x 2960	570	Apr-2017	Android 7.0
Xiaomi Mi 6 NEW	5.15"	1080 x 1920	428	Apr-2017	Android 7.1.1
Xiaomi Redmi Note 3 ↑	5.5"	1080x1920	403	Feb-2016	Android 5.1.1
Oppo A37 NEW	5.0"	720 x 1280	294	Jun-2016	Android 5.1

Extended

Samsung Galaxy J3 (2016) ↑	5.0"	720 x 1280	294	Jan-2016	Android 6.0
Meizu Pro 5 ↑	5.7"	1080x1920	386	Oct-2015	Android 5.1
Vivo Y51 NEW	5.0"	540 x 960	220	Dec-2015	Android 5.0.2
Apple iPhone 7 Plus ↑	5.5"	1080 x 1920	401	Sep-2016	iOS 11.0.3
Lenovo Zuk Z1 ↓	5.5"	1080 x 1920	401	Sep-2015	Android 5.1.1
ZTE AXON 7 ↓	5.5"	1440 x 2560	538	Jun-2016	Android 6.0.1
Xiaomi Mi Mix NEW	6.4"	1080 x 2040	362	Nov-2016	Android 6.0



Essential

Device Name	Screen Size	Screen Resolution	PPI (Pixel Per Inch)	Release Date	Recommended OS Version
Samsung Galaxy S7 Edge ↑	5.5"	1440 x 2560	534	Feb-2016	Android 7.0
Xiaomi Redmi Note 3 ↓	5.5"	1080x1920	403	Feb-2016	Android 5.0.2
Samsung Galaxy On8 ↑	5.5"	1080 x 1920	401	Oct-2016	Android 6.0.1
Samsung Galaxy J7 Prime ↑	5.5"	1080 x 1920	401	Sep-2016	Android 6.0.1
Xiaomi Redmi Note 4 NEW	5.5"	1080 x 1920	401	Jan-2017	Android 7.0
Samsung Galaxy S7 ↑	5.1"	1440 x 2560	577	Feb-2016	Android 6.0.1
Vivo V5 ↓	5.5"	720 x 1280	267	Nov-2016	Android 6.0
Oppo A57 NEW	5.2"	720 x 1280	282	Dec-2016	Android 6.0
Google Pixel NEW	5.0"	1080 x 1920	441	Oct-2016	Android 8.0
OnePlus 3T ↓	5.5"	1080 x 1920	401	Nov-2016	Android 7.1.1

Enhanced

Lenovo K6 Power NEW	5.0"	1080 x 1920	441	Nov-2016	Android 7.0
Motorola Moto G4 Plus ↓	5.5"	1080 x 1920	401	May-2016	Android 7.0
Samsung Galaxy S8 NEW	5.8"	1440 x 2960	570	Apr-2017	Android 7.0
Apple iPhone 7 ↑	4.7"	750 x 1334	326	Sep-2016	iOS 11.0.3
Samsung Galaxy J5 (2016) ↓	5.0"	720 x 1280	294	Apr-2016	Android 6.0.1
Motorola Moto G5 NEW	5.0"	1080 x 1920	441	Mar-2017	Android 7.0
Xiaomi Mi 5 ↑	5.15"	1080 x 1920	428	Apr-2016	Android 7.0
Samsung Galaxy A9 Pro (2016) ↓	6.0"	1080 x 1920	367	May-2016	Android 6.0.1
Apple iPhone SE ↓	4.0"	640 x 1136	326	Mar-2016	iOS 10.3.3
Samsung Galaxy S8+ NEW	6.2"	1440 x 2960	529	Apr-2017	Android 7.0
Oppo F1S ↑	5.5"	720 x 1280	267	Aug-2016	Android 5.1
Xiaomi Redmi 3S ↓	5.0"	720 x 1280	294	Jun-2016	Android 6.0.1
Apple iPhone 5S ↑	4.0"	640 x 1136	326	Sep-2013	iOS 10.3.3
Apple iPhone 7 Plus ↑	5.5"	1080 x 1920	401	Sep-2016	iOS 11.0.3
Vivo V3 Max ↑	5.5"	1080 x 1920	401	Apr-2016	Android 5.1

Extended

Micromax Canvas Silver 5 Q450 ↓	4.8"	720 x 1280	306	Jul-2015	Android 5.0.2
Samsung Galaxy S6 Edge ↓	5.1"	1440 x 2560	515	April 2015	Android 6.0.1
Xiaomi Mi Max 2 NEW	6.44"	1080 x 1920	342	Jun-2017	Android 7.1.1
Leeco Le Max 2 NEW	5.7"	1440 x 2560	515	May-2016	Android 6.0
Huawei Honor 6X ↓	5.5"	1080 x 1920	403	Oct-2016	Android 6.0
Motorola Moto G5 Plus NEW	5.2"	1080 x 1920	424	Apr-2017	Android 7.0
Oppo A37 ↓	5.0"	720 x 1280	294	Jun-2016	Android 5.1

Browser Calendar 2017

Be sure to plan ahead to get maximum test coverage.

JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
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56



52 Beta



57 Beta



52
53 Beta



58



53
54 Beta



5



59 Beta



54
55 Beta



60 Beta



10.1.2



Yosemite
El Capitan
Sierra



60



55
56 Beta



61



56
57 Beta



62



63 Beta



57
58 Beta



63

Sources:

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About Perfecto

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Looking to learn more?
Here are some of our favorite resources:

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Phone Arena <http://www.phonearena.com/>

Open Signal <http://opensignal.com/reports/>

Apple <https://developer.apple.com/support/app-store/>

Android Developers <http://developer.android.com/about/dashboards/index.html>

App Annie <https://www.appannie.com/>

IHS <https://www.ihs.com/index.html>

Localytics <http://www.localytics.com>

