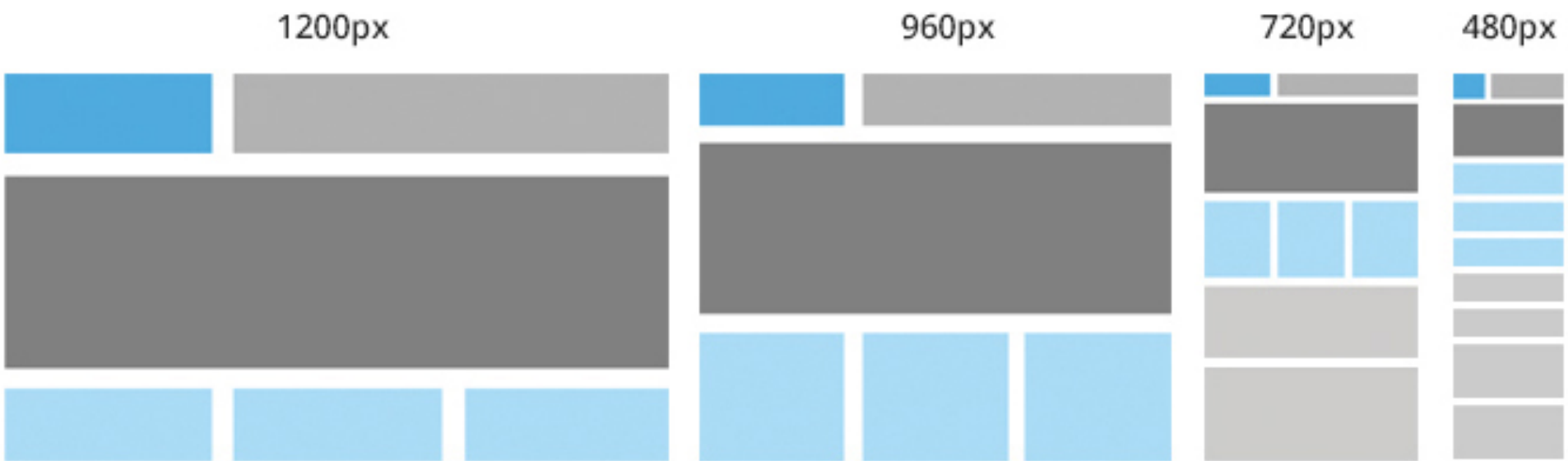
Responsive Web Design

반응형 웹

Responsive Web Design

Mobilizing Your Website with RWD Project Key Point Gude, HTML5, CSS3

데스크탑에서 모바일 기기까지 각각 다른 다양한 해상도의 디바이스에 맞춰 웹사이트의 레이아웃이 동적으로 변환되면서 텍스트, 이미지 및 UI가 최적화되어 보여지도록 하는 기법

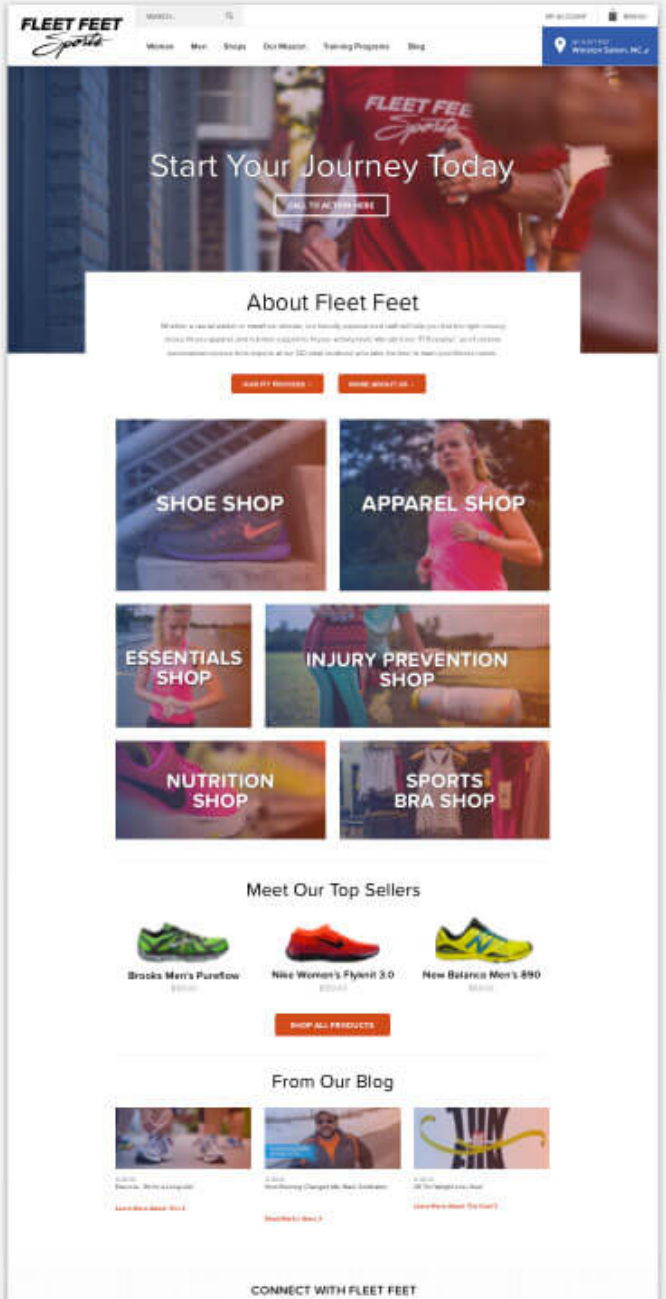


Home

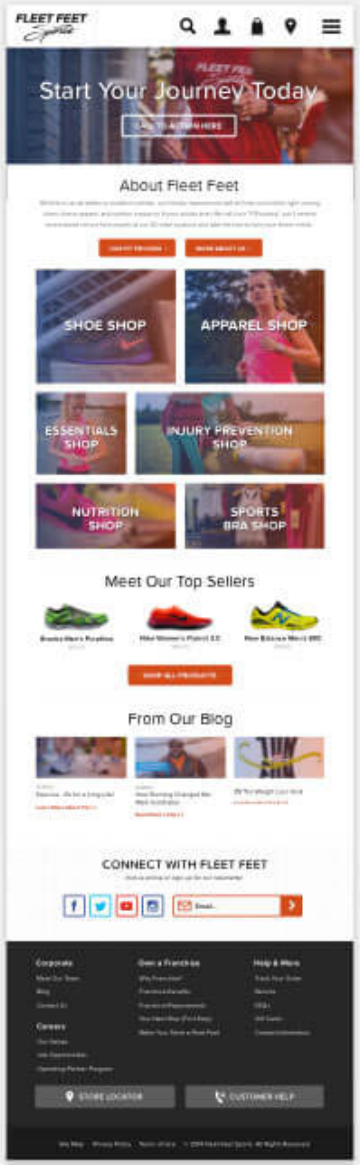
- nmc-fleetfeet-ecommerce-home-mobile
- nmc-fleetfeet-ecommerce-ipad
- nmc-fleetfeet-ecommerce-home

Filter 24

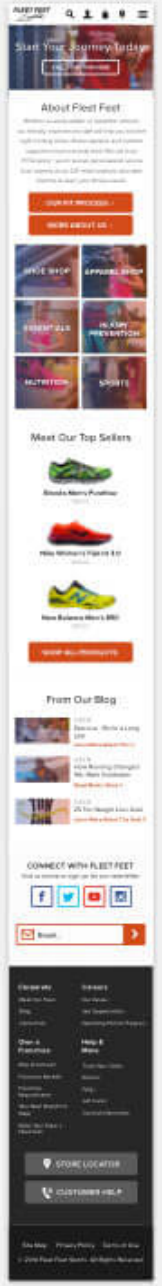
nmc-fleetfeet-ecommerce-home



nmc-fleetfeet-ecommerce-ipad



nmc-fleetfeet-ecommerce-home-mobile

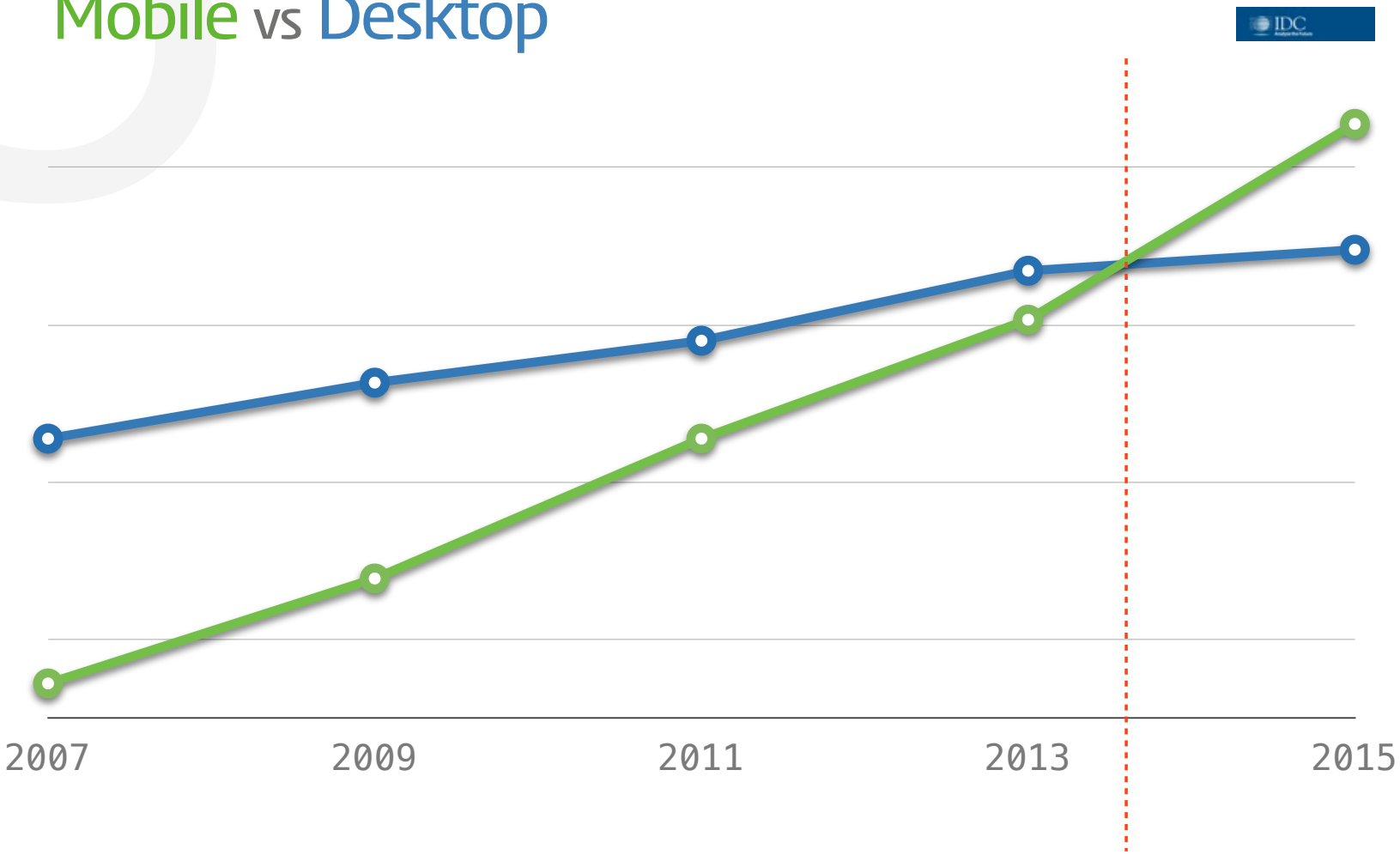


Position X Y
Size Width Height
Transform Rotate Flip
Opacity
Blending Normal
Fills
Borders
Shadows
Inner Shadows
Gaussian Blur

CURRENT

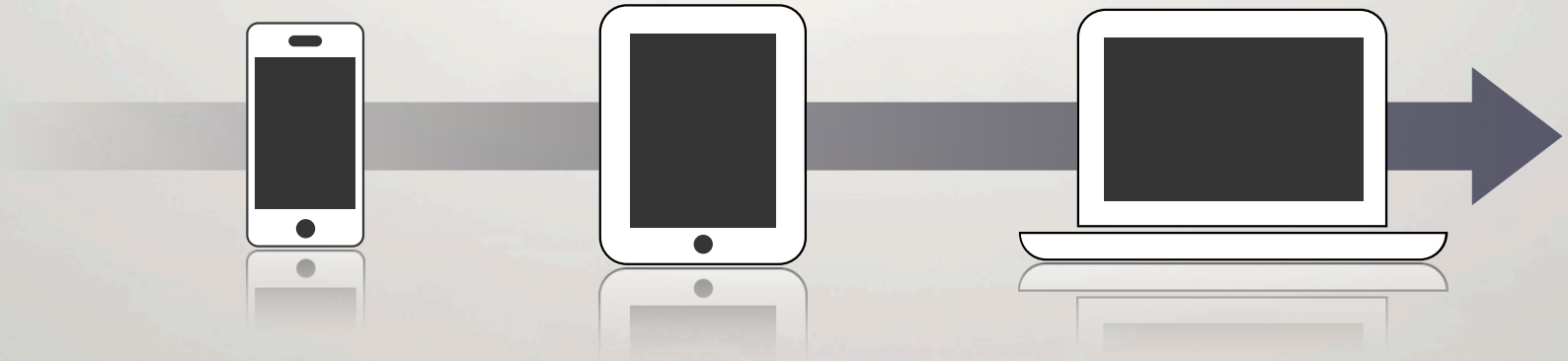
Desktop First

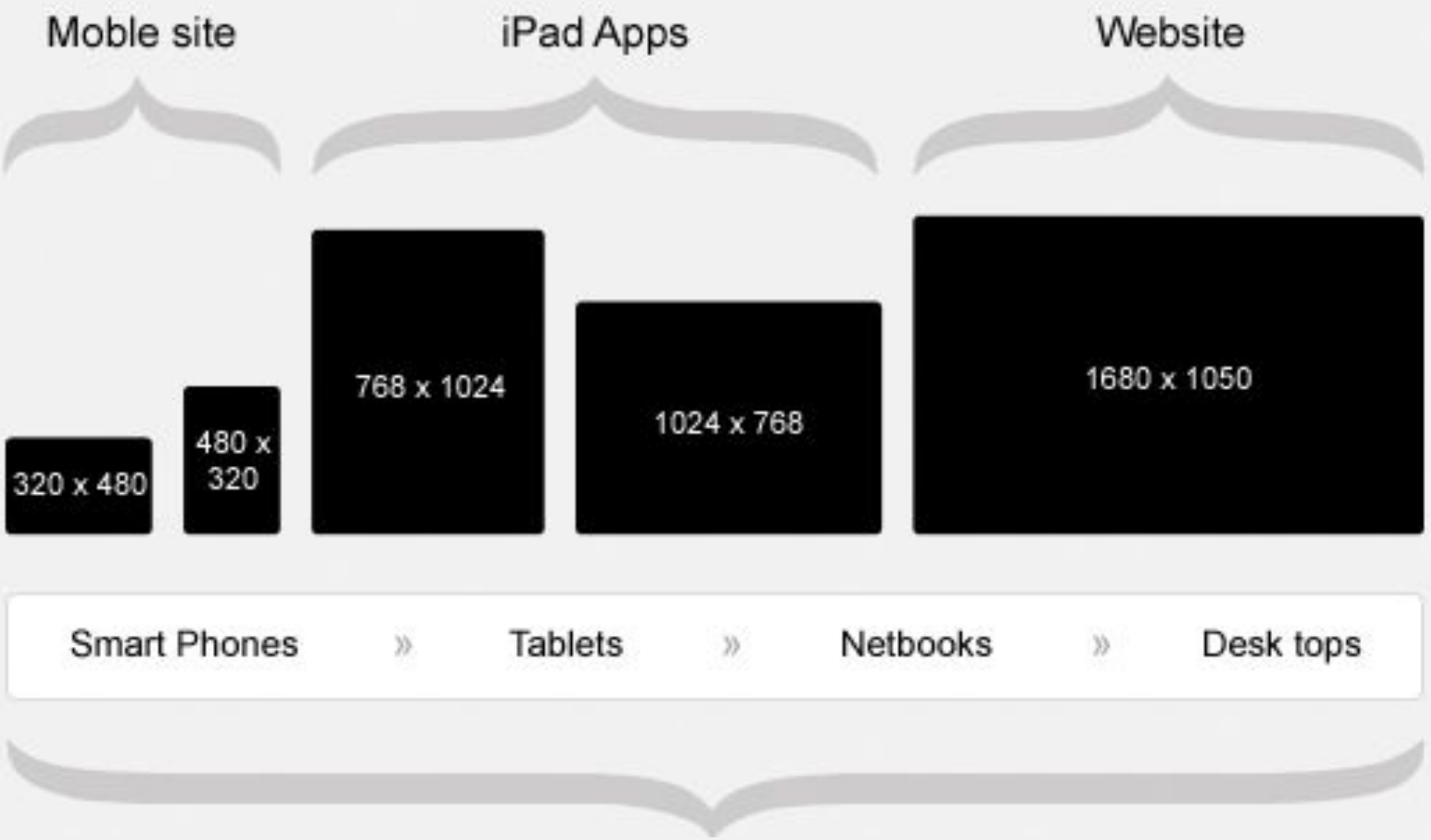
Mobile vs Desktop



NEXT

Mobile First




Moble site
iPad Apps
Website
320 x 480
480 x 320
768 x 1024
1024 x 768
1680 x 1050
Smart Phones
»
Tablets
»
Netbooks
»
Desk tops

TIME
Person of the Year: Barack Obama, Architect of the New America

TIME
BARACK OBAMA
Person of the Year: Barack Obama, Architect of the New America

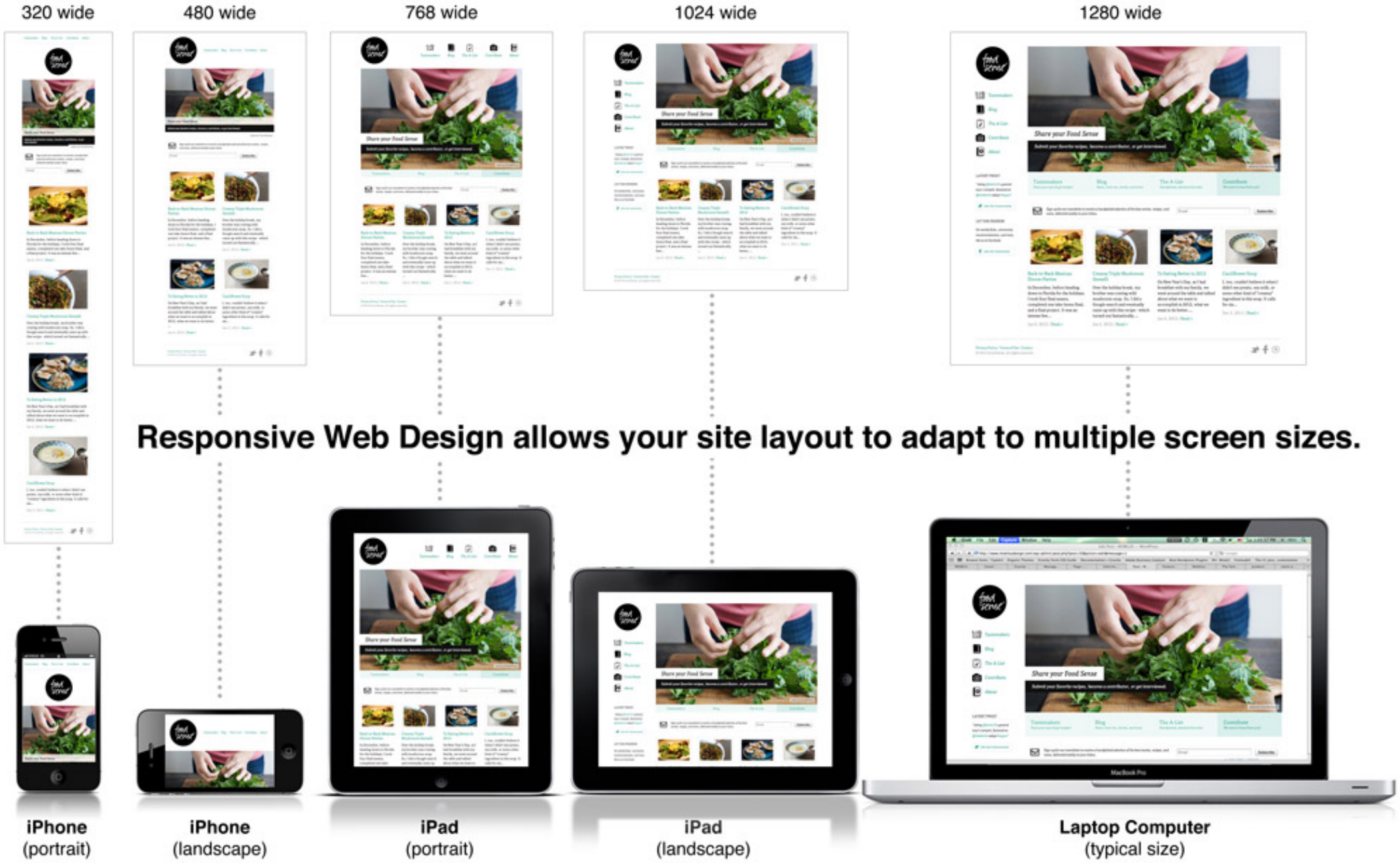
TIME
BARACK OBAMA
Person of the Year: Barack Obama, Architect of the New America
TIME COVER

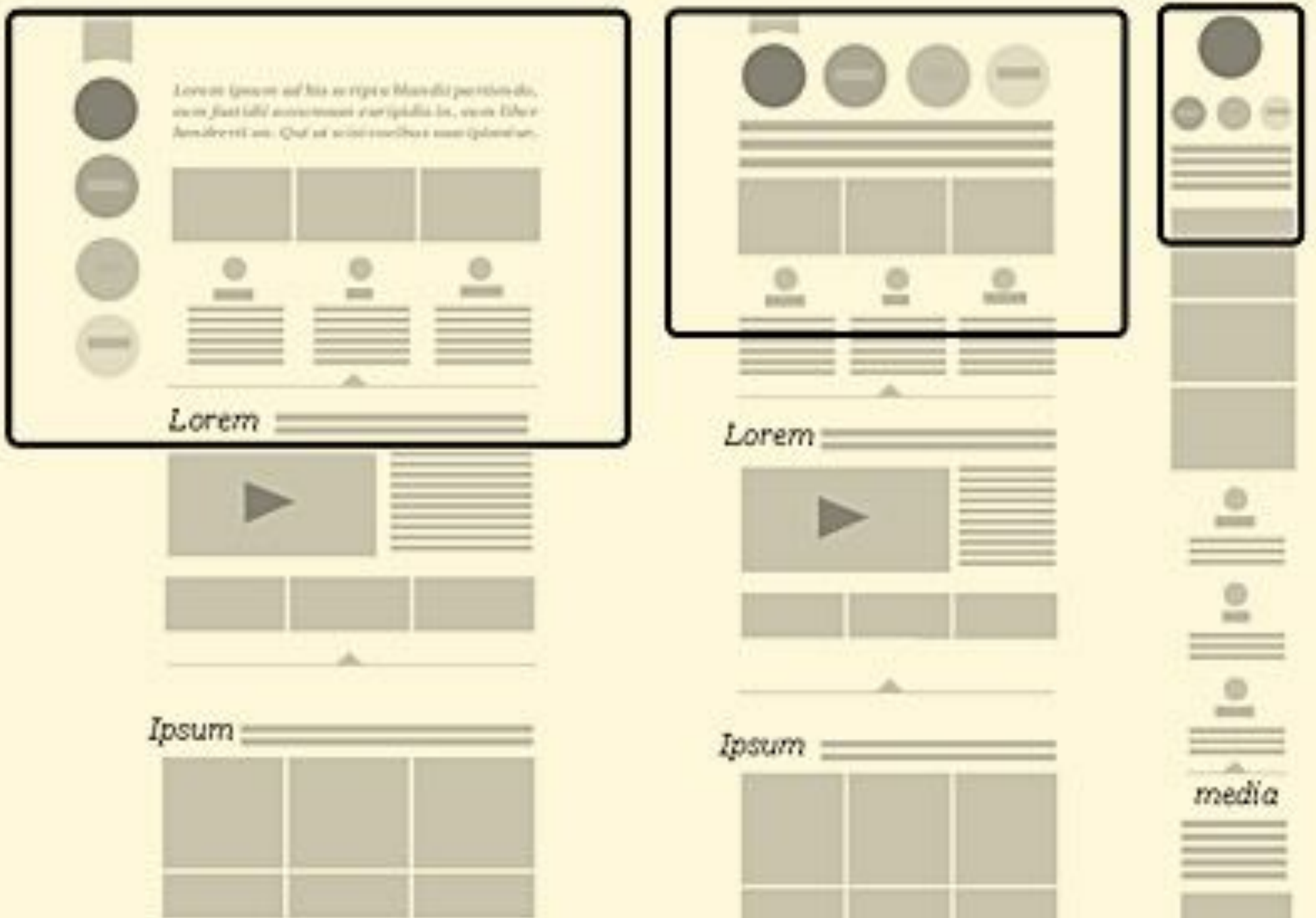
TIME
BARACK OBAMA
Person of the Year: Barack Obama, Architect of the New America

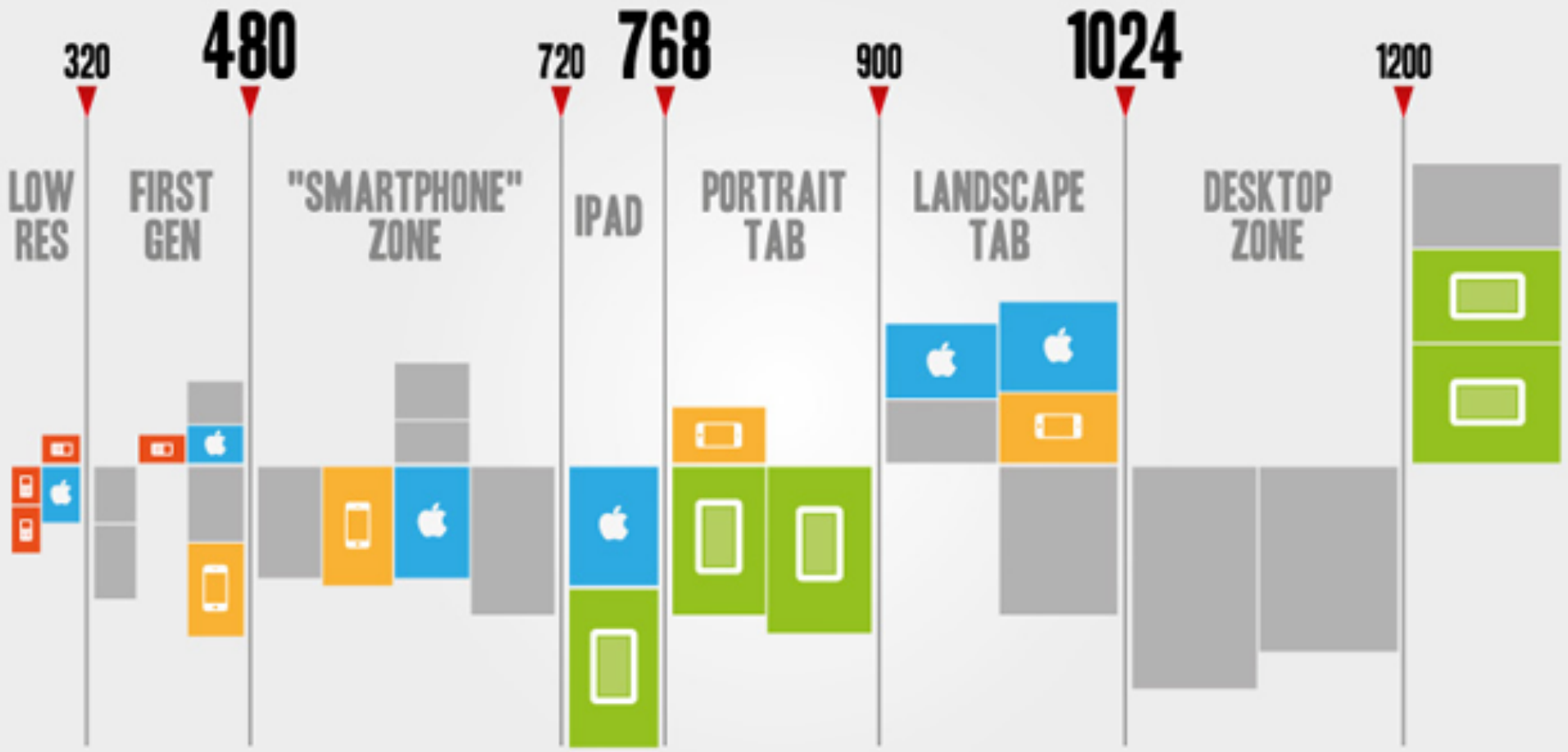
MATT PORTERFIELD

MATT PORTERFIELD

THE GREAT DISCONTENT
MATT PORTERFIELD


320 wide
480 wide
768 wide
1024 wide
1280 wide
Responsive Web Design allows your site layout to adapt to multiple screen sizes.
iPhone
(portrait)
iPhone
(landscape)
iPad
(portrait)
iPad
(landscape)
Laptop Computer
(typical size)


Lorem
Lorem
Ipsum
Lorem
Ipsum
media



- Low res standard
- Famous smartphones
- Apple devices
- Tablets, netbooks
- Various

- 3 **major breaks** : 480 / 768 / 1024
- 3 **minor breaks** : 320 / 720 / 900
- Desktop limit is around 1024px

http://troy.labs.daum.net/

모바일 기기 크기파악

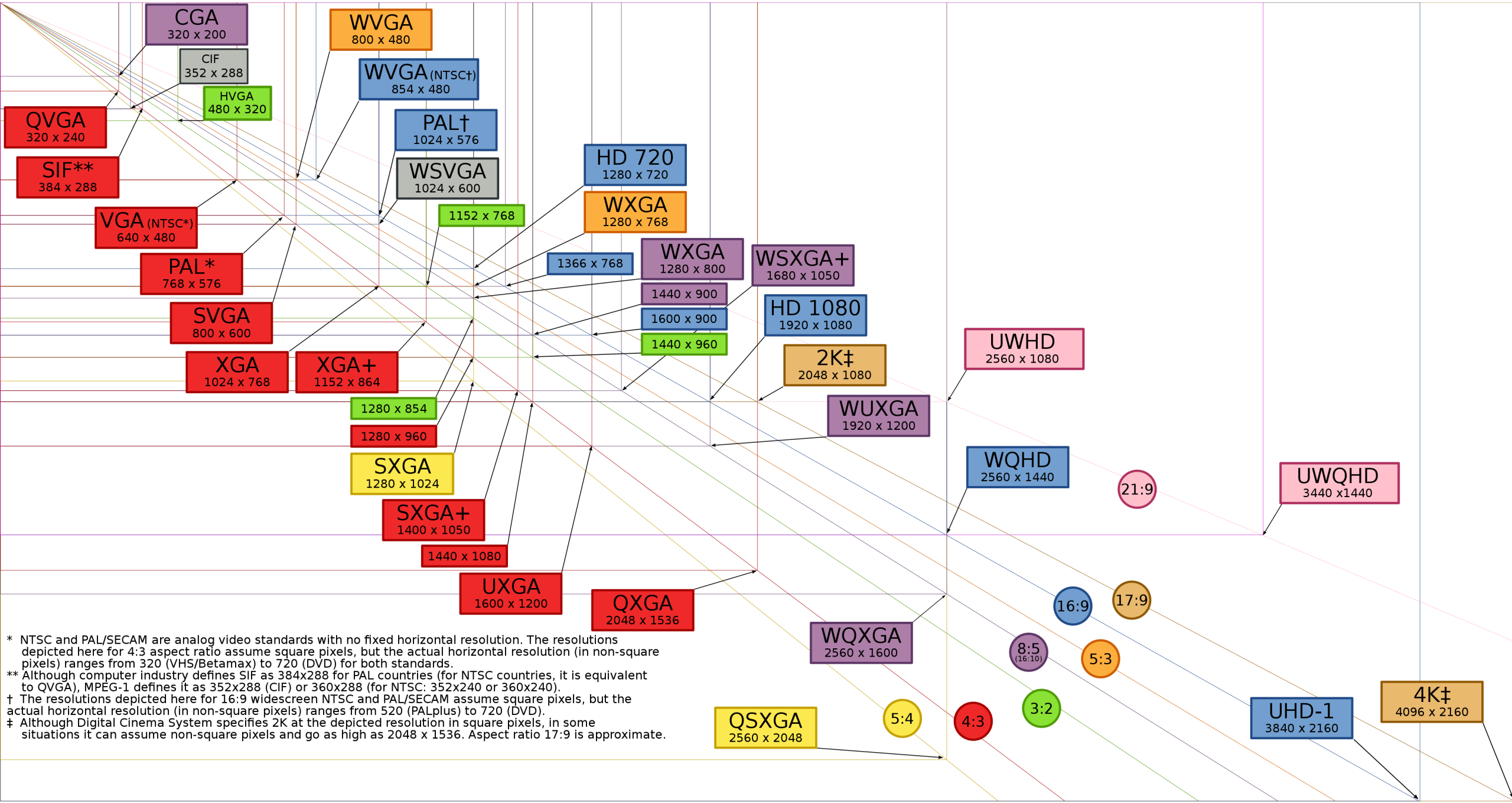
https://mediaqueri.es/

반응형 웹페이지 제작 예시 페이지

https://blisk.io/

모바일, pc 페이지 비교확인

Phones 4-5"
Phablets 5-7"
Tablets
Hybrid Tablet/Desktops
Desktops
Small
320-479px
Medium
480-639px
Large
640-1023px
X-Large
1024-1365px
XX-Large
1366-1919px
XXX-Large
1920-2559px
XXXX-Large
2560px and +
iPhone 5c, 5s
320x568
4"
Nokia Lumia 1020
384x640
4.5"
iPhone 6
375x667
4.7"
Nokia Lumia 830
360x680
5"
Samsung Galaxy S5
360x640
5.1"
iPhone 6 Plus
414x736
5.5"
Samsung Galaxy Note 4
424x744 (approx)
5.7"
Nokia Lumia 1520
360x640
6"
iPhone 5c, 5s
568x320
4"
iPad Mini
768x1024
(64% smaller than iPad)
7.9"
iPad
768x1024
9.7"
Surface
768x1366
10.1"
Surface Pro 2
960x1440
12"
Nokia Lumia 1020
640x384
4.5"
iPhone 6
667x375
4.7"
Nokia Lumia 830
640x360
5"
Samsung Galaxy S5
640x360
5.1"
iPhone 6 Plus
736x414
5.5"
Samsung Galaxy Note 4
744x424 (approx)
5.7"
Nokia Lumia 1520
640x360
6"
iPad Mini
1024x768 (50% smaller than iPad)
7.9"
iPad
1024x768
9.7"
Surface Pro
768x1366
10.1"
13" MacBook Pro (retina)
1280x800
13"
Surface Pro 2
1440x960
12"
ThinkPad X240 Ultrabook Laptop
1366x768
12.5"
LG Flatron E2350V
1920x1080
23"
27"
HP Z1 G2
2560x1440

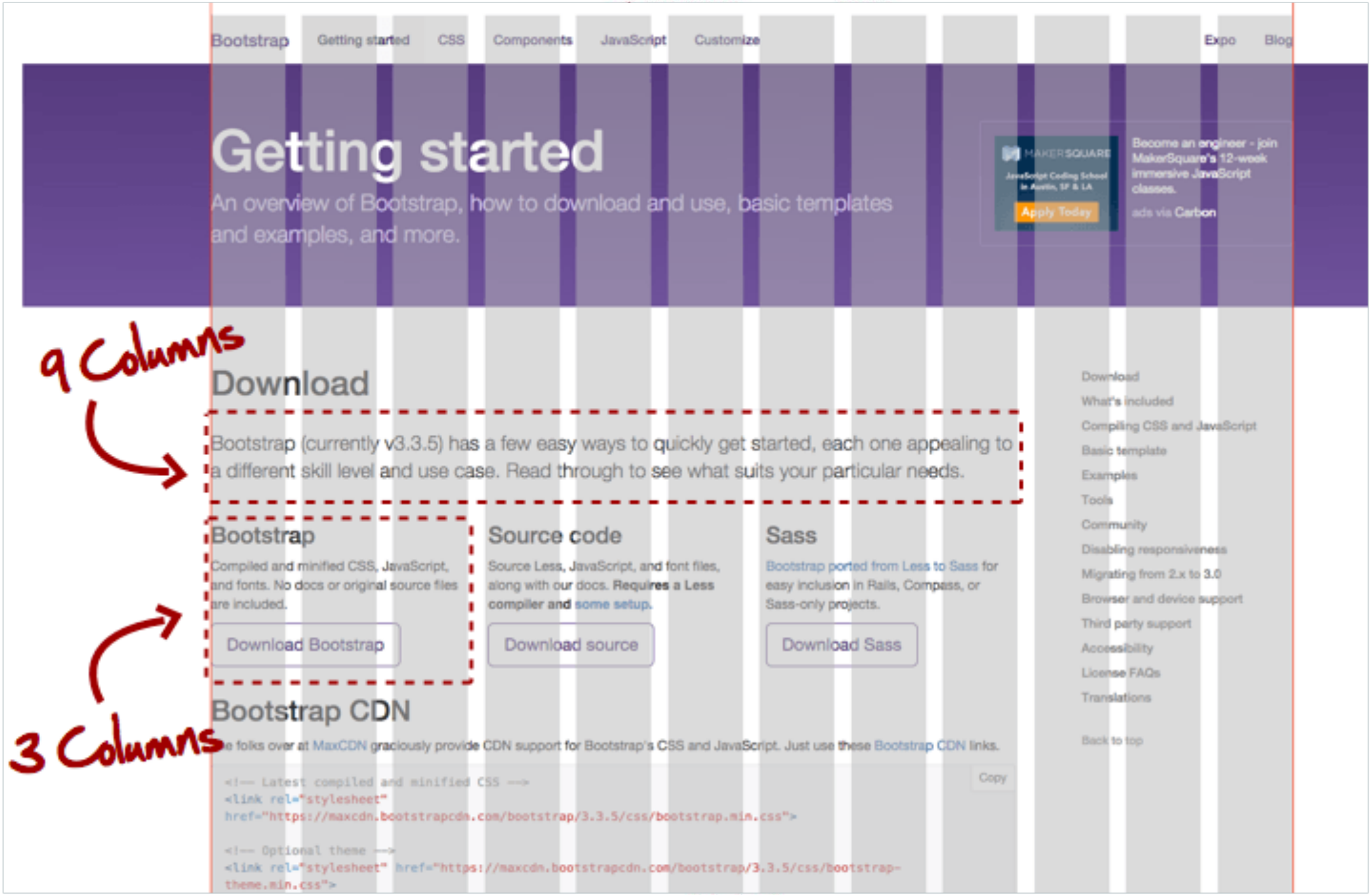


* NTSC and PAL/SECAM are analog video standards with no fixed horizontal resolution. The resolutions depicted here for 4:3 aspect ratio assume square pixels, but the actual horizontal resolution (in non-square pixels) ranges from 320 (VHS/Betamax) to 720 (DVD) for both standards.

** Although computer industry defines SIF as 384x288 for PAL countries (for NTSC countries, it is equivalent to QVGA), MPEG-1 defines it as 352x288 (CIF) or 360x288 (for NTSC: 352x240 or 360x240).

† The resolutions depicted here for 16:9 widescreen NTSC and PAL/SECAM assume square pixels, but the actual horizontal resolution (in non-square pixels) ranges from 520 (PALplus) to 720 (DVD).

‡ Although Digital Cinema System specifies 2K at the depicted resolution in square pixels, in some situations it can assume non-square pixels and go as high as 2048 x 1536. Aspect ratio 17:9 is approximate.

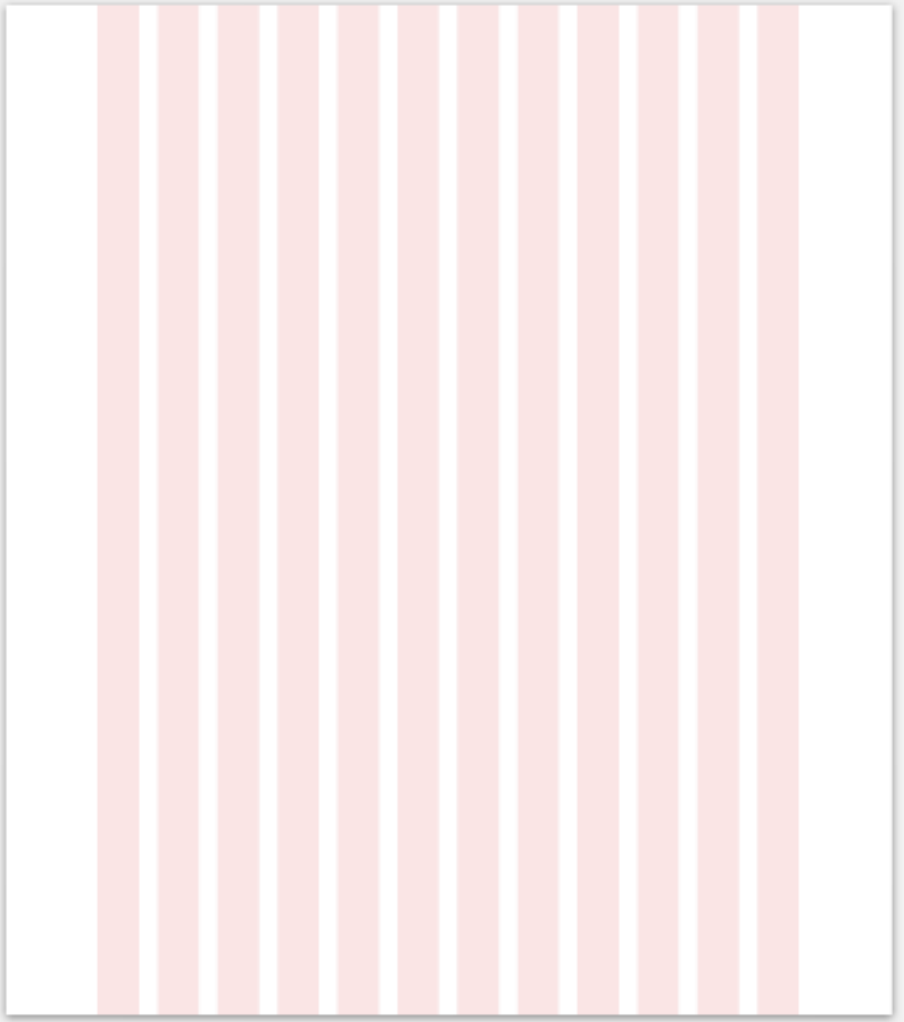


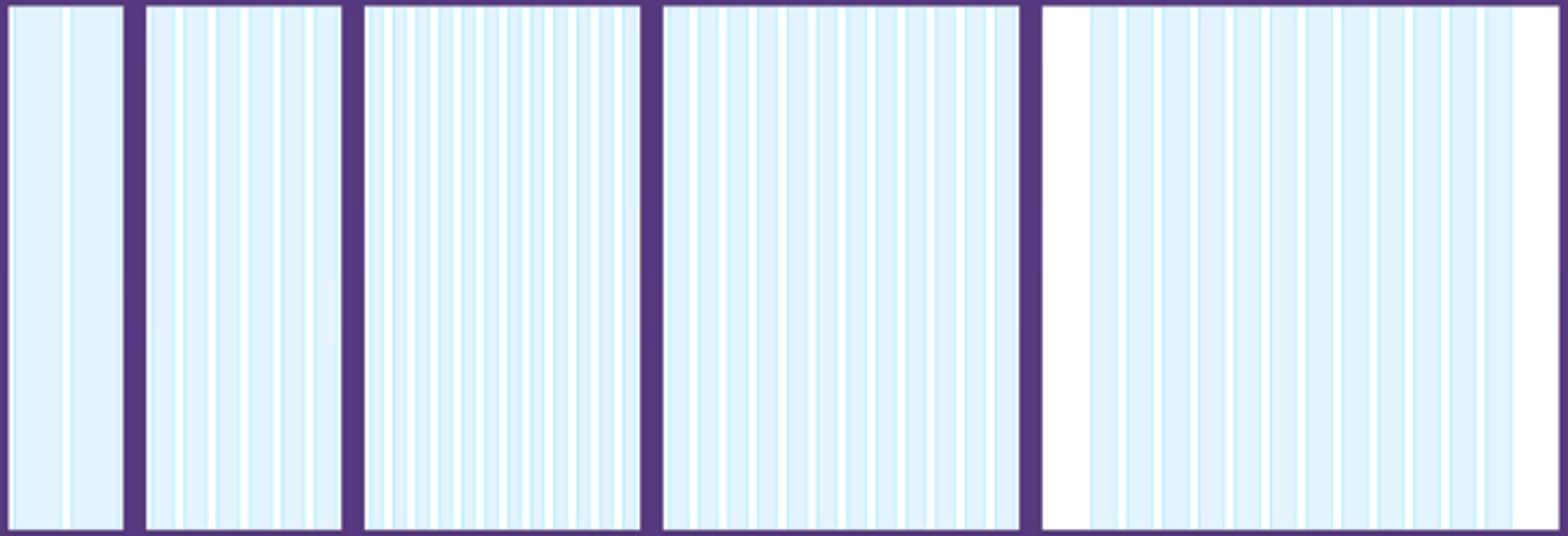
the baseline grid.

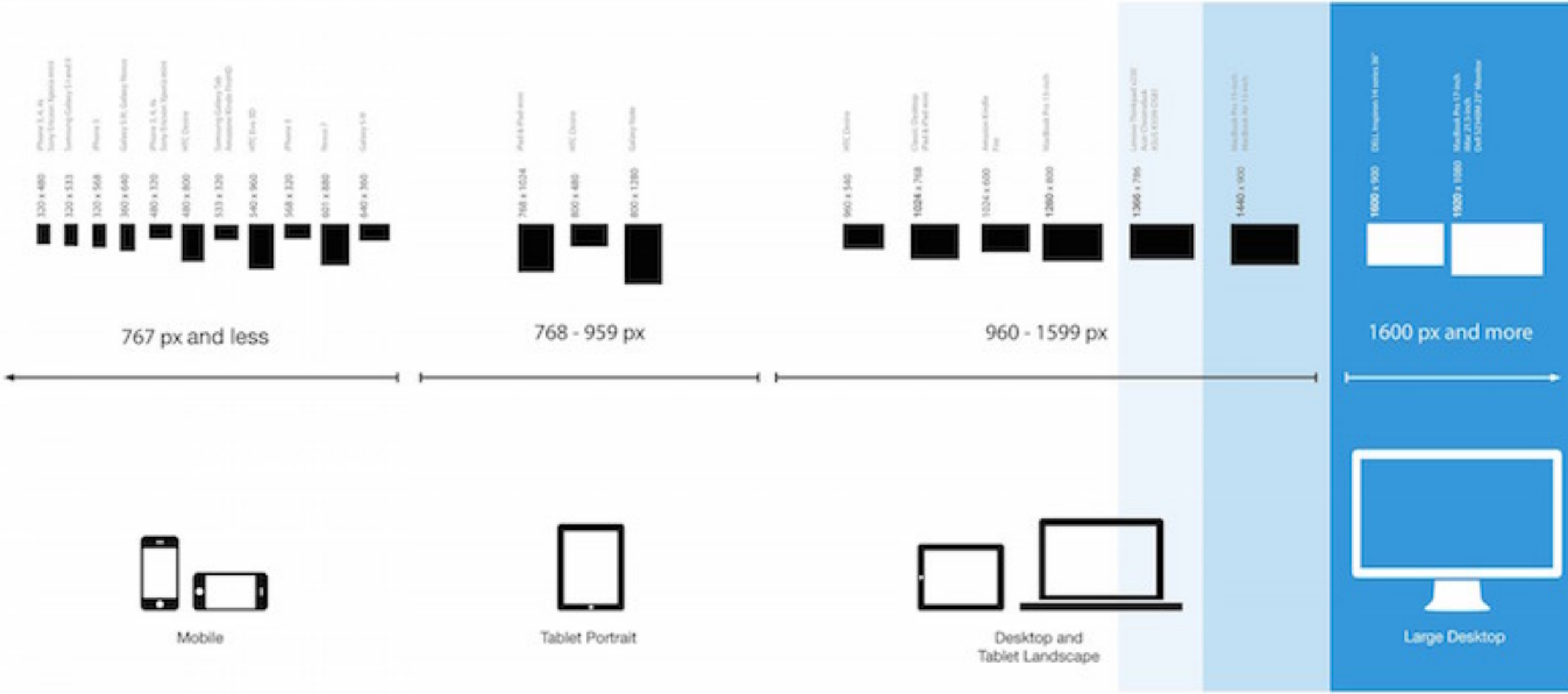
(≥ 768px)

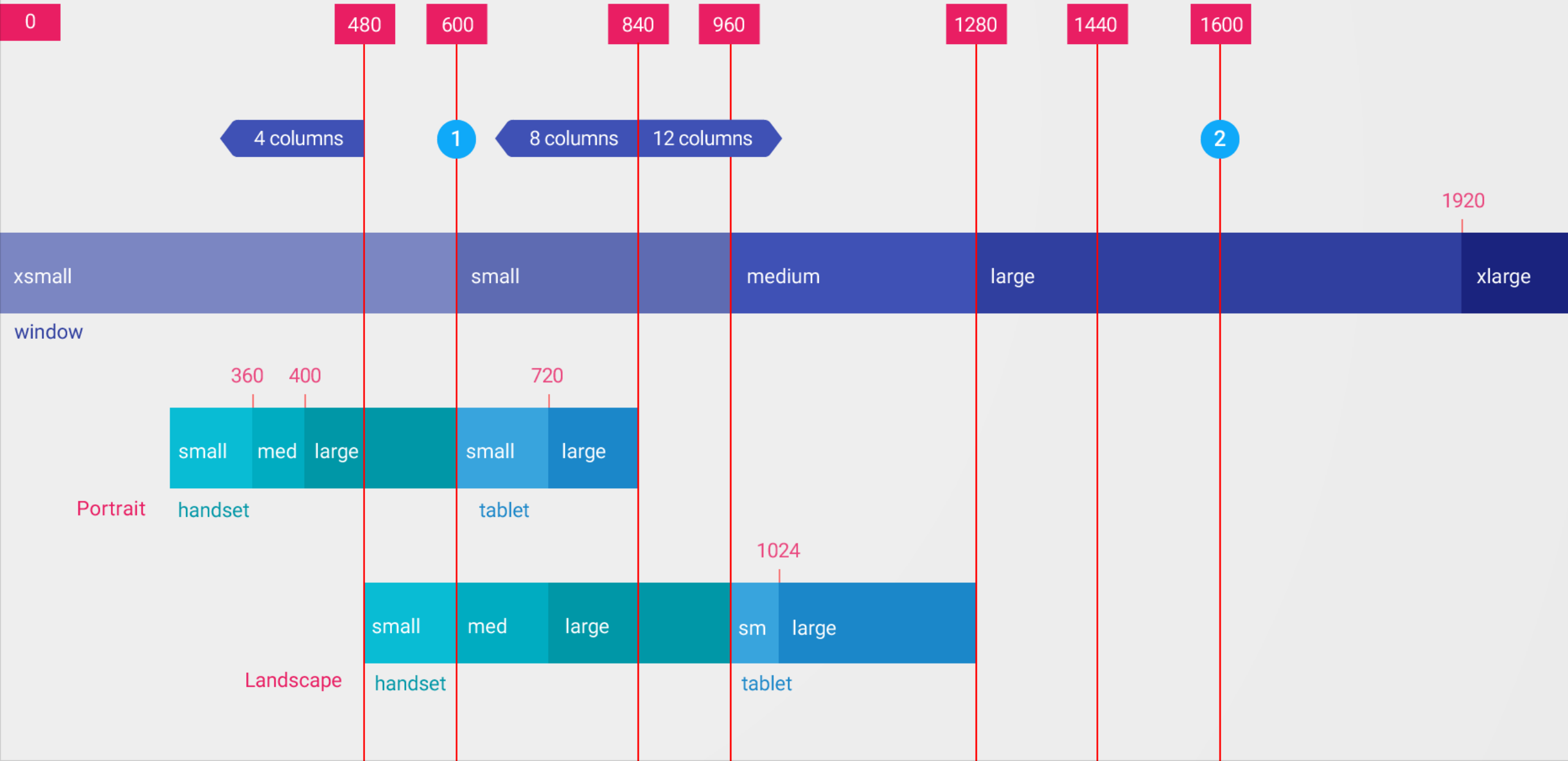
Medium Devices (≥ 970px)

Large Devices (≥ 1200px)






320 x 480
320 x 533
320 x 568
360 x 640
480 x 320
480 x 800
533 x 320
540 x 960
568 x 320
601 x 880
640 x 360
768 x 1024
800 x 480
800 x 1280
960 x 540
1024 x 768
1024 x 600
1280 x 800
1366 x 786
1440 x 900
1600 x 900
1920 x 1080
767 px and less
768 - 959 px
960 - 1599 px
1600 px and more
Mobile
Tablet Portrait
Desktop and
Tablet Landscape
Large Desktop


0
480
600
840
960
1280
1440
1600
4 columns
1
8 columns
12 columns
2
1920
xsmall
small
medium
large
xlarge
window
360
400
720
small
med
large
small
large
Portrait
handset
tablet
1024
small
med
large
sm
large
Landscape
handset
tablet

RESPONSIVE BREAKING POINTS

A VISUAL GUIDE FOR RESPONSIBLE DESIGNERS

DEVICES come in many shapes and sizes—with new ones hitting the market every day. Instead of attempting to code a media query for each one, streamline to 4 base standard breaking points.

```
/* LANDSCAPE PHONES AND SMALLER */
@MEDIA
(MAX-WIDTH: 480PX) { ... }
```

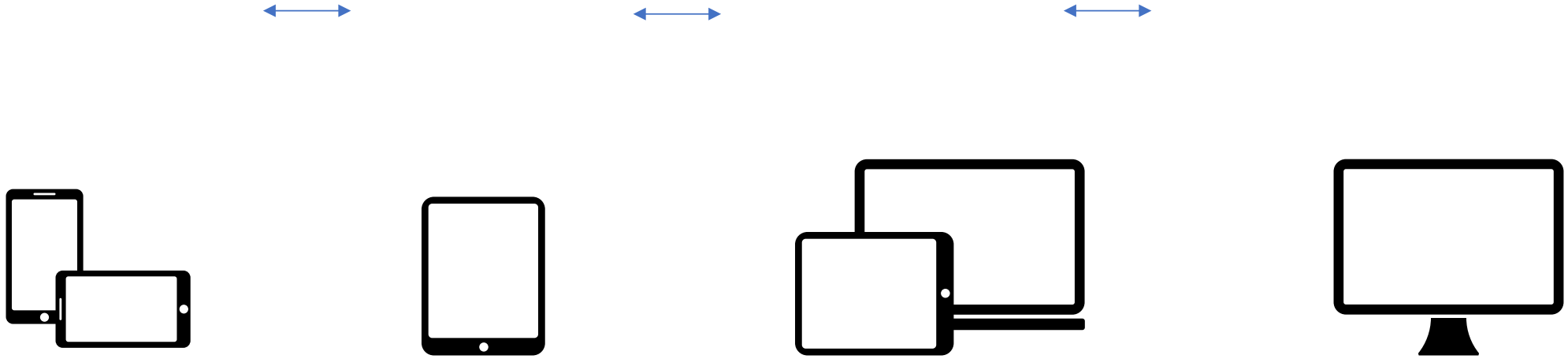
```
/* PORTRAIT TABLETS AND MINI'S TOO */
@MEDIA
  (MAX-WIDTH: 767PX) { ... }
```

```
/* LANDSCAPE TABLETS */
@MEDIA
(MIN-WIDTH: 768PX) AND (MAX-WIDTH: 979PX) { ... }
```

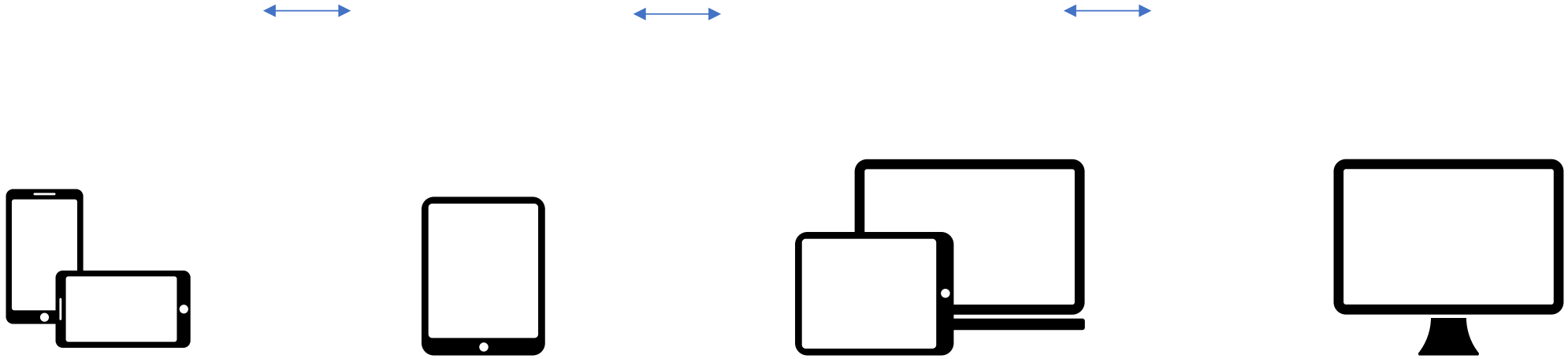
YOUR BASE CSS WILL COVER THE "DEFAULT": 980PX AND UP

```
/* LARGE DESKTOP */
@MEDIA
(MIN-WIDTH: 1200PX) { ... }
```

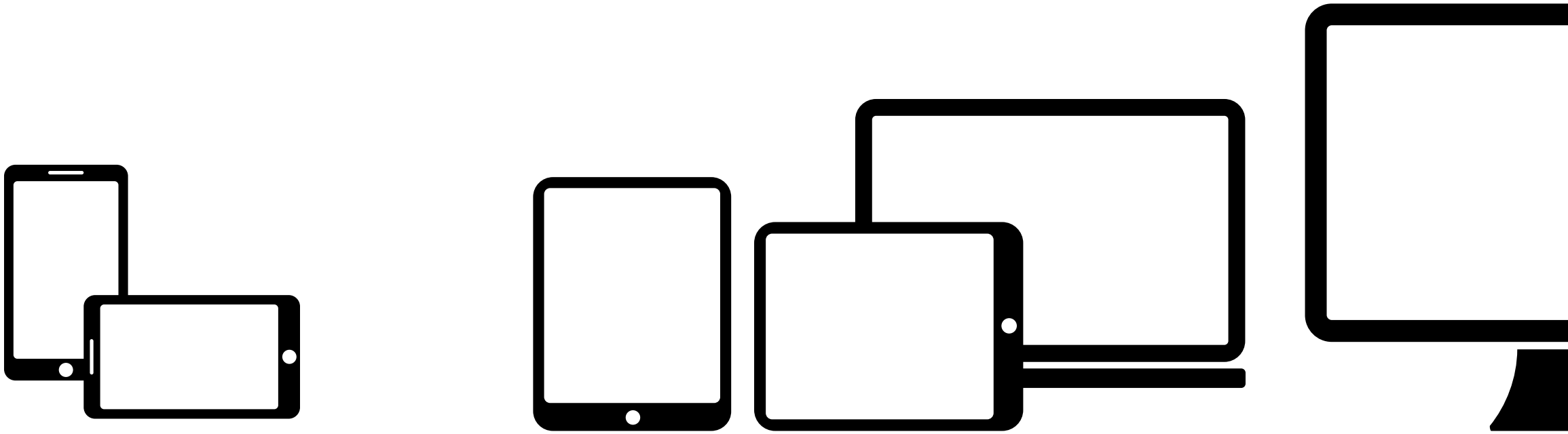
320 480 600 640 768 1024 1280 1366 1600 1920



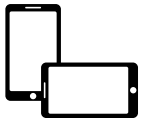
320 **480** 600 **640** 768 **1024 (960)** 1280 **1366** 1600 **1920**



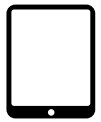
320 **480** 600 640 **768** 1024 (960) 1280 **1366** 1600 **1920**



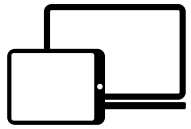
CSS



```
/* ~ 480 : mobile(v,h,android-V) */
@media screen and (max-width: 480px)  { }
```



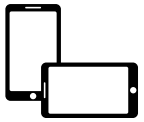
```
/* 481 ~ (767) : tablet(v,h,pc-min) */
@media screen and (min-width:  481px) and (max-width:767px) {  }
```

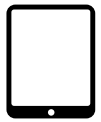


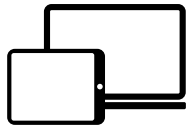
```
/* 768 ~ (1366) : PC(19~), labtop */
@media screen and (min-width: 768px) and (max-width:1366px) {  }
```

```
/* 1367 ~ full : fullpage(pc full) */
@media screen and (min-width: 1367px) {  }
```

Javascript(jQuery)







```
var $w = $(window).width();

if($w <= 480){
        // ~ 640 기능 구하기

} else if( ($w > 480) && ($w <= 767) ){
        // 480 ~ 767기능 구하기

} else if( ($w > 767) && ($w <= 1366) ){
        // 768~ 1366 기능 구하기

} else {
        // 1366 ~ 기능 구하기

}
```

Javascript(jQuery)2

// 스마트폰,태블릿 등 모바일기기의 경우
스크롤사용시 상단 컨트롤 및 메뉴창이 세로화면이 원활한 화면을 볼수 없기에
가로화면만 변동되도록 처리한다.

```
// 화면사이즈변경전 가로값
var $w = $(window).width();

// 브라우저의 사이즈 변경시
$(window).on('resize', function( ) {

// 변경된 가로값을 판단(화면 변경시 가져오는 가로값)
    var nowW = $(window).width();

// 가로값이 일치하지 않을경우 새로고침
if(nowW !== $w ) {      location.reload(); }

}); // resize,function

// 모바일기기의 경우 세로 스크롤시 상단 주소창이 사라지는현상으로
// 브라우저 크기가 변경됨(resize)을 인지하게 되므로 이를 방지하기위해 설정
```

CSS

```css
@media screen and (max-width: 480px)  { }
@media screen and (min-width:  481px) and (max-width:767px) {  }
@media screen and (min-width: 768px) and (max-width:1366px) {  }
@media screen and (min-width: 1367px) {  }
```

js

```js
var rwd = function ( ) {
    var $w = $(window).width();
    if ($w <= 480) { }
    else if ( ($w > 480) && ($w <= 767) ) { }
    else if ( ($w > 767) && ($w <= 1366) ) { }
    else { }
};

var $w = $(window).width();
$(window).on('resize', function() {
  var nowW = $(window).width();
  if ( nowW !== $w ) {
      location.reload();
      rwd();
  }
});
```

```
var $w = $(window).width();

if($w <= 640){
      // ~ 640 기능 구하기

} else if( ($w > 640) && ($w <= 1024) ){
      // 641 ~ 1024 기능 구하기

} else if( ($w > 1025) && ($w <= 1366) ){
       // 1025 ~ 1366 기능 구하기

} else {
      // 1366 ~ 기능 구하기

}
```

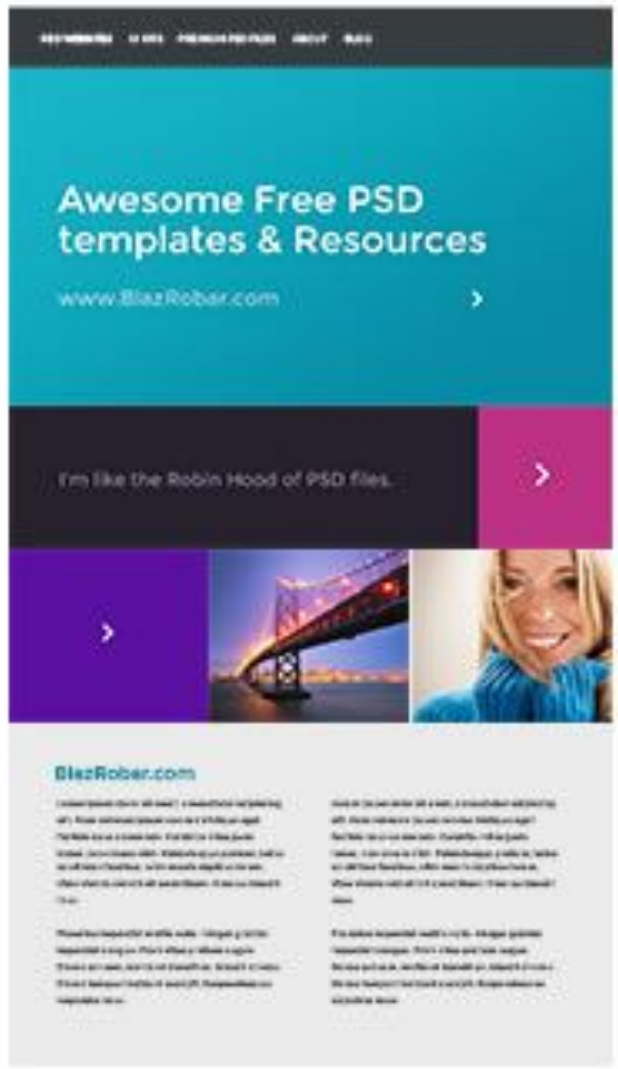
```
var $w = $(window).width();

// 브라우저의 사이즈 변경시
$(window).on('resize', function(){

// 변경된 가로값을 판단하여서
   var nowW = $(window).width();
// 가로값이 일치하지 않을경우 새로고침

   if(nowW !== $w ) {
       location.reload();
    }
});
```

Navigation
Awesome Free PSD templates & Resources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