

Converting Colors

XYZ(18.8035, 20.4752, 23.2110)

Have a look what the booklet for
XYZ(18.8035, 20.4752, 23.2110)
contains.

XYZ(18.8218, 20.5192, 23.3907)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.8218, 20.5192,
23.3907)**

Conversions

Conversions Part 1

Format	Color
Hex	757F80
RGB	117, 127, 128
RGB Percent	46%, 50%, 50%
CMY	0.5412, 0.5019, 0.4980
CMYK	0.09, 0.01, 0.00, 0.50
HSL	185°, 4%, 48%
HSV	185°, 9%, 50%
XYZ	18.8218, 20.5192, 23.3907
YIQ	124.1240, -6.2810, -1.8090

Conversions

Conversions Part 2

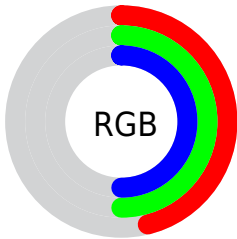
Format	Color
R_{YB}	117, 122, 128
Decimal	7700352
CIE Lab	52.42, -3.47, -1.82
CIE LCh	52, 3.921, 207.621
Yxy	20.5192, 0.3000, 0.3271
Android (android.graphics.Color)	4285890432 (0xFF757F80)
YUV	124.1240, 1.9109, -6.2477
Hunter-Lab	45.2981, -5.1033, 1.0930

Details

The XYZ color **18.8218, 20.5192, 23.3907** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.5915, 18.8303, 19.4847**, and the grayscale version is **19.1953, 20.1950, 21.9923**.

A 20% lighter version of the original color is **41.0239, 44.4137, 50.1266**, and **6.5899, 7.2785, 8.4547** is the 20% darker color. If you saturate the color by 10%, you get **17.0693, 19.3949, 23.2664**, and if you desaturate by 10%, it is **20.8124, 21.7699, 23.5275**.

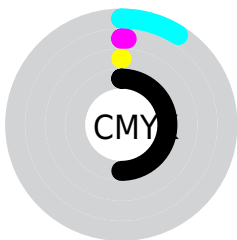
Distribution



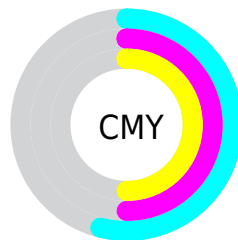
- Red (46%)
- Green (50%)
- Blue (50%)



- Red (46%)
- Yellow (48%)
- Blue (50%)



- Cyan (9%)
- Magenta (1%)
- Yellow (0%)
- Black (50%)



- Cyan (54%)
- Magenta (50%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8218, 20.5192, 23.3907 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 18.8218, 20.5192, 23.3907 by changing the saturation by 10% instead.

■ 18.8218, 20.5192,
23.3907

■ 18.8218, 20.5192,
23.3907

238.4203,
254.7121, 282.9121

■ 11.6448, 12.7730,
14.6743

■ 40.9520, 44.2860,
49.9654

■ 6.5728, 7.2724,
8.4470

■ 56.6359, 61.0753,
68.6607

■ 3.2403, 3.6331,
4.2904

■ 75.8861, 81.6479,
91.5193

■ 1.2821, 1.4705,
1.7860

99.0681, 106.3880,
118.9599

■ 0.1698, 0.2678,
0.4187

126.5472,
135.6801, 151.4009

■ 0.0000, 0.0000,
0.0000

158.6886,

169.9086, 189.2609

195.8579,
209.4578, 232.9585

■ 18.8218, 20.5192,
23.3907

■ 18.8218, 20.5192,
23.3907

■ 17.0693, 19.3949,
23.2664

■ 20.8124, 21.7699,
23.5275

■ 15.5436, 18.3896,
23.1527

■ 23.0484, 23.1491,
23.6759

■ 14.2352, 17.4988,
23.0498

■ 25.5387, 24.6620,
23.8366

■ 13.1333, 16.7170,
22.9569

■ 28.2914, 26.3128,
24.0102

■ 12.2259, 16.0380,
22.8737

■ 31.3143, 28.1054,
24.1969

■ 11.5000, 15.4551,
22.7995

■ 34.6147, 30.0438,
24.3971

■ 10.9409, 14.9608,
22.7335

■ 38.1998, 32.1315,
24.6111

■ 10.5316, 14.5461,
22.6750

■ 42.0764, 34.3721,
24.8392

■ 10.2280, 14.1885,
22.6220

■ 46.2511, 36.7690,
25.0819

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.7360, 20.5192, 22.2496



18.8218, 20.5192, 23.3907



19.0893, 20.5192, 24.2765

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



18.8218, 20.5192, 23.3907



20.1672, 20.5192, 23.5562



19.5352, 20.5192, 20.1893

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



18.8218, 20.5192, 23.3907



18.5915, 18.8303, 19.4847

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



19.9224, 20.5192, 20.5129



18.8218, 20.5192, 23.3907



20.2904, 20.5192, 22.4345

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



18.8218, 20.5192, 23.3907



19.8657, 20.5192, 24.3743



20.2002, 20.5192, 21.3250



19.1445, 20.5192, 20.4257

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



18.8218, 20.5192, 23.3907



19.3366, 20.5192, 24.5891



20.2002, 20.5192, 21.3250



19.6701, 20.5192, 20.2360

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



18.8224, 20.5201, 23.3912



35.0223, 37.3162, 41.3131



18.3207, 20.5267, 20.1104



8.1392, 8.6988, 9.6684



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.8224, 20.5201, 23.3912



32.6060, 35.7892, 41.1458



18.1412, 19.1578, 23.1641



4.4141, 4.8223, 5.5114



10.1011, 14.0206, 22.4238



0.0000, 0.0000, 0.0000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



19.0946, 18.8445, 22.7107



33.1718, 32.3196, 39.7286



19.2481, 20.1434, 19.7036



4.4819, 4.4059, 5.3420



11.9755, 5.8099, 16.9927



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.8218, 20.5192, 23.3907 looks on a white background.

Color Contrast Check

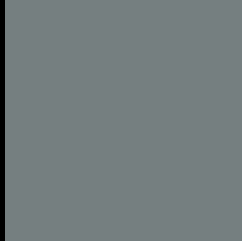
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 18.8218, 20.5192, 23.3907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

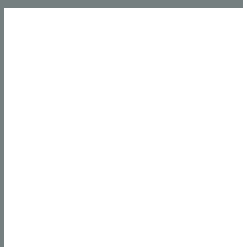
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8218, 20.5192, 23.3907

Background



This preview shows how black text looks on a background with the XYZ color 18.8218, 20.5192, 23.3907.



This preview shows how white text looks on a background with the XYZ color 18.8218, 20.5192,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

18.8218, 20.5192, 23.3907

Protanopia

19.7259, 20.4337, 22.6431

Deuteranopia

20.7915, 20.4106, 23.6127



Tritanopia

19.3760, 20.5508, 26.2380

Trichromacy



Original Color

18.8218, 20.5192, 23.3907

Protanomaly

19.3328, 20.4105, 22.9993

Deuteranomaly

19.9475, 20.3401, 23.6436

Tritanomaly

19.1657, 20.4667, 25.1306

Monochromacy



Original Color

18.8218, 20.5192, 23.3907

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.9204, 20.2128, 22.3063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8218, 20.5192, 23.3907 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(117, 127, 128)` looks like.

```
.text, #text, p{  
    color:rgb(117, 127, 128)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(117, 127, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 127, 128) }
```

Border

The CSS property to change the border of an element to XYZ 18.8218, 20.5192, 23.3907 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 127, 128) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(117, 127, 128) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(117, 127, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 127, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 127, 128);  
box-shadow:4px 4px 4px 4px rgb(117, 127,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8218, 20.5192, 23.3907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 127, 128) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(117,  
127, 128) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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