

Converting Colors

XYZ(18.6778, 18.7993, 19.6728)

Have a look what the booklet for
XYZ(18.6778, 18.7993, 19.6728)
contains.

XYZ(18.8017, 18.9320, 19.8028)	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(18.8017, 18.9320,
19.8028)**

Conversions

Conversions Part 1

Format	Color
Hex	817676
RGB	129, 118, 118
RGB Percent	51%, 46%, 46%
CMY	0.4941, 0.5372, 0.5373
CMYK	0.00, 0.09, 0.09, 0.49
HSL	0°, 4%, 48%
HSV	0°, 9%, 51%
XYZ	18.8017, 18.9320, 19.8028
YIQ	121.2890, 6.5560, 2.3320

Conversions

Conversions Part 2

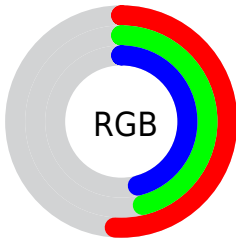
Format	Color
R_{YB}	129, 118, 118
Decimal	8484470
CIE _{Lab}	50.61, 4.23, 1.53
CIE _{LCh}	51, 4.498, 19.832
Yxy	18.9320, 0.3268, 0.3290
Android (android.graphics.Color)	4286674550 (0xFF817676)
YUV	121.2890, -1.6215, 6.7625
Hunter-Lab	43.5109, 0.9883, 3.4734

Details

The XYZ color **18.8017, 18.9320, 19.8028** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.2838, 21.1366, 23.8325**, and the grayscale version is **18.2715, 19.2230, 20.9339**.

A 20% lighter version of the original color is **40.9218, 41.5968, 43.9024**, and **6.6039, 6.5280, 6.7063** is the 20% darker color. If you saturate the color by 10%, you get **16.6707, 15.8139, 15.5655**, and if you desaturate by 10%, it is **21.2463, 22.5090, 24.6624**.

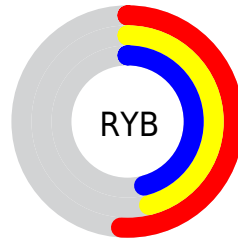
Distribution



Red (51%)

Green (46%)

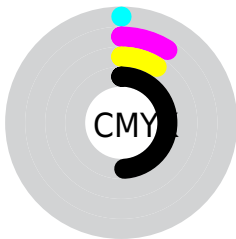
Blue (46%)



Red (51%)

Yellow (46%)

Blue (46%)

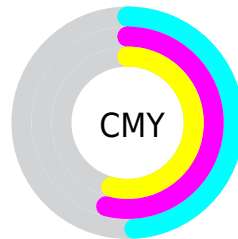


Cyan (0%)

Magenta (9%)

Yellow (9%)

Black (49%)



Cyan (49%)

Magenta (54%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8017, 18.9320, 19.8028 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 18.8017, 18.9320, 19.8028 by changing the saturation by 10% instead.

■ 18.8017, 18.9320,
19.8028

■ 18.8017, 18.9320,
19.8028

238.3110,
246.0731, 263.4144

■ 11.6302, 11.6212,
12.0691

■ 40.9182, 41.6192,
43.9409

■ 6.5628, 6.4863,
6.6677

■ 56.5940, 57.7643,
61.1825

■ 3.2341, 3.1430,
3.1799

■ 75.8352, 77.6229,
82.4304

■ 1.2787, 1.2068,
1.1872

99.0073, 101.5795,
108.1032

■ 0.1672, 0.0673,
0.0000

126.4756,
130.0184, 138.6195

■ 0.0000, 0.0000,
0.0000

158.6054,

163.3241, 174.3977

195.7621,
201.8808, 215.8565

■ 18.8017, 18.9320,
19.8028

■ 18.8017, 18.9320,
19.8028

■ 16.6707, 15.8139,
15.5655

■ 21.2463, 22.5090,
24.6624

■ 14.8392, 13.1339,
11.9243

■ 24.0148, 26.5600,
30.1667

■ 13.2941, 10.8731,
8.8527

■ 27.1190, 31.1021,
36.3386

■ 12.0211, 9.0103,
6.3220

■ 30.5697, 36.1511,
43.1993

■ 11.0043, 7.5225,
4.3008

■ 34.3771, 41.7219,
50.7692

■ 10.2265, 6.3842,
2.7547

■ 38.5509, 47.8290,
59.0680

■ 9.6681, 5.5670,
1.6449

■ 43.1007, 54.4862,
68.1142

■ 9.3065, 5.0378,
0.9264

■ 48.0355, 61.7067,
77.9262

■ 9.0847, 4.7132,
0.4855

■ 53.3642, 69.5035,
88.5212

Harmonies

Analogous

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



18.8397, 18.9320, 21.0443



18.8017, 18.9320, 19.8028



18.5454, 18.9320, 18.8176

Triad

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



18.8017, 18.9320, 19.8028



17.3557, 18.9320, 19.0905



17.8454, 18.9320, 23.0911

Complementary

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



18.8017, 18.9320, 19.8028



19.2838, 21.1366, 23.8325

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.



17.4542, 18.9320, 22.5207



18.8017, 18.9320, 19.8028



17.1746, 18.9320, 20.1891

Square

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



18.8017, 18.9320, 19.8028



17.7089, 18.9320, 18.4181



17.2103, 18.9320, 21.4465



18.2828, 18.9320, 22.9773

Rectangle

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



18.8017, 18.9320, 19.8028



18.2875, 18.9320, 18.4226



17.2103, 18.9320, 21.4465



17.7043, 18.9320, 22.9721

Sweetspot

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



18.8022, 18.9328, 19.8032



35.9878, 37.2952, 40.0703



19.4944, 19.2092, 23.4494



8.0732, 8.3355, 8.9256



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.



18.8022, 18.9328, 19.8032



32.9796, 32.8935, 34.0895



19.4686, 20.2657, 20.0253



4.3278, 4.3444, 4.5306



8.8274, 4.5511, 0.4132



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.2838, 21.1366, 23.8325



34.0032, 37.5775, 42.6535



18.5790, 19.7271, 23.5976



4.4464, 4.8867, 5.5222



11.5139, 16.8462, 22.8947



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.8017, 18.9320, 19.8028 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 18.8017, 18.9320, 19.8028 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 18.8017, 18.9320, 19.8028

Background



This preview shows how black text looks on a background with the XYZ color 18.8017, 18.9320, 19.8028.



This preview shows how white text looks on a background with the XYZ color 18.8017, 18.9320,

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

18.8017, 18.9320, 19.8028

Protanopia

18.2146, 18.9758, 20.1554

Deuteranopia

19.3042, 19.0171, 19.7928



Tritanopia

19.3331, 18.9748, 22.3822

Trichromacy



Original Color

18.8017, 18.9320, 19.8028

Protanomaly

18.3840, 18.8855, 20.1291

Deuteranomaly

19.1470, 18.9361, 19.7854

Tritanomaly

19.1424, 18.8985, 21.3777

Monochromacy



Original Color

18.8017, 18.9320, 19.8028

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.4188, 19.0741, 20.4802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8017, 18.9320, 19.8028 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(129, 118, 118)` looks like.

```
.text, #text, p{  
    color:rgb(129, 118, 118)  
}
```

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(129, 118, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 118, 118) }
```

Border

The CSS property to change the border of an element to XYZ 18.8017, 18.9320, 19.8028 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(129, 118, 118) }
```


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

```
.border{ border-color:rgb(129, 118, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 118, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 118, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 118, 118);  
box-shadow:4px 4px 4px 4px rgb(129, 118,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8017, 18.9320, 19.8028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 118, 118) }
```

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

```
.background{ background-color: rgb(129,  
118, 118) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor