

Converting Colors

XYZ(18.7759, 18.2917, 22.7910)

Have a look what the booklet for
XYZ(18.7759, 18.2917, 22.7910)
contains.

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Color

**XYZ(18.7794, 18.3320,
22.9707)**

Conversions

Conversions Part 1

Format	Color
Hex	7F7380
RGB	127, 115, 128
RGB Percent	50%, 45%, 50%
CMY	0.5020, 0.5490, 0.4980
CMYK	0.01, 0.10, 0.00, 0.50
HSL	295°, 5%, 48%
HSV	295°, 10%, 50%
XYZ	18.7794, 18.3320, 22.9707
YIQ	120.0700, 2.9790, 6.5870

Conversions

Conversions Part 2

Format	Color
R_{YB}	127, 115, 128
Decimal	8352640
CIE Lab	49.90, 7.18, -5.45
CIE LCh	50, 9.013, 322.826
Yxy	18.3320, 0.3126, 0.3051
Android (android.graphics.Color)	4286542720 (0xFF7F7380)
YUV	120.0700, 3.9095, 6.0776
Hunter-Lab	42.8159, 3.3638, -1.8379

Details

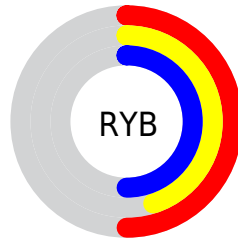
The XYZ color **18.7794, 18.3320, 22.9707** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.0168, 20.3896, 19.2066**, and the grayscale version is **17.8626, 18.7929, 20.4655**.

A 20% lighter version of the original color is **40.9816, 40.6769, 49.4075**, and **6.5603, 6.1985, 8.2478** is the 20% darker color. If you saturate the color by 10%, you get **17.2742, 15.5381, 22.5110**, and if you desaturate by 10%, it is **20.4898, 21.5336, 23.4988**.

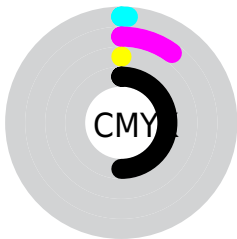
Distribution



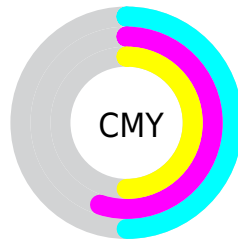
- Red (50%)
- Green (45%)
- Blue (50%)



- Red (50%)
- Yellow (45%)
- Blue (50%)



- Cyan (1%)
- Magenta (10%)
- Yellow (0%)
- Black (50%)



- Cyan (50%)
- Magenta (55%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7794, 18.3320, 22.9707 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 18.7794, 18.3320, 22.9707 by changing the saturation by 10% instead.

■ 18.7794, 18.3320,
22.9707

■ 18.7794, 18.3320,
22.9707

238.1898,
242.7358, 280.6915

■ 11.6140, 11.1886,
14.3668

■ 40.8808, 40.6022,
49.2678

■ 6.5518, 6.1938,
8.2345

■ 56.5475, 56.4979,
67.7981

■ 3.2272, 2.9633,
4.1555

■ 75.7787, 76.0797,
90.4742

■ 1.2750, 1.1126,
1.7110

■ 98.9398, 99.7321,
117.7147

■ 0.1644, 0.0000,
0.3683

126.3961,
127.8396, 149.9381

■ 0.0000, 0.0000,
0.0000

158.5129,

160.7864, 187.5631

195.6557,
198.9570, 231.0080

■ 18.7794, 18.3320,
22.9707

■ 18.7794, 18.3320,
22.9707

■ 17.2742, 15.5381,
22.5110

■ 20.4898, 21.5336,
23.4988

■ 15.9644, 13.1329,
22.1158

■ 22.4115, 25.1563,
24.0968

■ 14.8415, 11.0995,
21.7825

■ 24.5527, 29.2155,
24.7674

■ 13.8959, 9.4187,
21.5079

■ 26.9203, 33.7254,
25.5131

■ 13.1173, 8.0697,
21.2886

■ 29.5210, 38.6995,
26.3362

■ 12.4941, 7.0294,
21.1206

■ 32.3613, 44.1507,
27.2386

■ 12.0134, 6.2719,
20.9998

■ 35.4475, 50.0913,
28.2226

■ 11.6599, 5.7670,
20.9209

■ 38.7855, 56.5334,
29.2902

■ 11.3885, 5.4209,
20.8684

■ 42.3810, 63.4884,
30.4431

Harmonies

Analogous

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



18.0754, 18.3320, 24.6669



18.7794, 18.3320, 22.9707



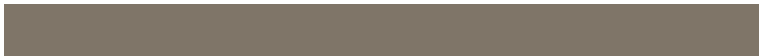
19.1221, 18.3320, 20.5596

Triad

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



18.7794, 18.3320, 22.9707



17.6320, 18.3320, 15.6084



15.9394, 18.3320, 21.8606

Complementary

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



18.7794, 18.3320, 22.9707



18.0168, 20.3896, 19.2066

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.



15.8295, 18.3320, 19.3730



18.7794, 18.3320, 22.9707



16.7884, 18.3320, 15.8943

Square

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



18.7794, 18.3320, 22.9707



18.4456, 18.3320, 16.4095



16.1355, 18.3320, 17.2254



16.4408, 18.3320, 23.9899

Rectangle

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



18.7794, 18.3320, 22.9707



19.0919, 18.3320, 18.9244



16.1355, 18.3320, 17.2254



15.8562, 18.3320, 21.0336

Sweetspot

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



18.7799, 18.3328, 22.9711



35.1596, 36.1948, 41.0895



17.2223, 17.7142, 22.9338



8.1789, 8.3750, 9.6038



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.



18.7799, 18.3328, 22.9711



32.4726, 31.1746, 40.2621



18.5825, 18.2711, 21.1503



4.4666, 4.3961, 5.4264



11.2929, 5.3754, 20.6923



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.1858, 18.1124, 19.0614



31.2280, 30.7135, 32.0469



18.2055, 20.4498, 20.8905



4.3402, 4.3492, 4.5958



8.8808, 4.5720, 0.6961



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.7794, 18.3320, 22.9707 looks on a white 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

Black Background



This preview shows how the XYZ color 18.7794, 18.3320, 22.9707 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 18.7794, 18.3320, 22.9707

Background



This preview shows how black text looks on a background with the XYZ color 18.7794, 18.3320, 22.9707.

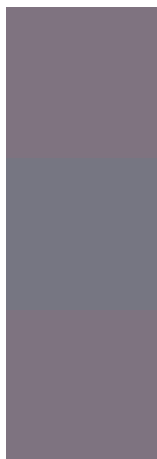


This preview shows how white text looks on a background with the XYZ color 18.7794, 18.3320,

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

18.7794, 18.3320, 22.9707

Protanopia

17.9789, 18.4201, 23.7269

Deuteranopia

18.6312, 18.2556, 22.9638



Tritanopia

18.5512, 18.4071, 21.9772

Trichromacy



Original Color

18.7794, 18.3320, 22.9707

Protanomaly

18.2089, 18.3725, 23.3554

Deuteranomaly

18.6312, 18.2556, 22.9638

Tritanomaly

18.6155, 18.4328, 22.3154

Monochromacy



Original Color

18.7794, 18.3320, 22.9707

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.2220, 18.5979, 21.3682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7794, 18.3320, 22.9707 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(127, 115, 128)` looks like.

```
.text, #text, p{  
    color:rgb(127, 115, 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(127, 115, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 115, 128) }
```

Border

The CSS property to change the border of an element to XYZ 18.7794, 18.3320, 22.9707 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(127, 115, 128) }
```


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

```
.border{ border-color:rgb(127, 115, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 115, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 115, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 115, 128);  
box-shadow:4px 4px 4px 4px rgb(127, 115,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7794, 18.3320, 22.9707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 115, 128) }
```

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

```
.background{ background-color: rgb(127,  
115, 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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