

Converting Colors

XYZ(17.7553, 20.1235, 20.7357)

Have a look what the booklet for
XYZ(17.7553, 20.1235, 20.7357)
contains.

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Color

**XYZ(17.7914, 20.2392,
20.7381)**

Conversions

Conversions Part 1

Format	Color
Hex	708078
RGB	112, 128, 120
RGB Percent	44%, 50%, 47%
CMY	0.5608, 0.4980, 0.5294
CMYK	0.13, 0.00, 0.06, 0.50
HSL	150°, 7%, 47%
HSV	150°, 13%, 50%
XYZ	17.7914, 20.2392, 20.7381
YIQ	122.3040, -6.9680, -5.8800

Conversions

Conversions Part 2

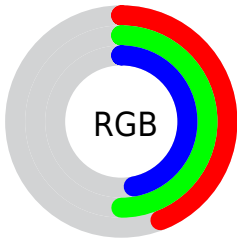
Format	Color
R_{YB}	112, 123, 128
Decimal	7372920
CIE Lab	52.11, -7.54, 2.35
CIE LCh	52, 7.903, 162.671
Yxy	20.2392, 0.3027, 0.3444
Android (android.graphics.Color)	4285563000 (0xFF708078)
YUV	122.3040, -1.1359, -9.0366
Hunter-Lab	44.9880, -8.1376, 4.1607

Details

The XYZ color **17.7914, 20.2392, 20.7381** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.0871, 17.5340, 20.2013**, and the grayscale version is **18.6037, 19.5726, 21.3146**.

A 20% lighter version of the original color is **39.2801, 43.9188, 45.4366**, and **6.0800, 7.1498, 7.1905** is the 20% darker color. If you saturate the color by 10%, you get **15.9016, 19.3089, 18.6893**, and if you desaturate by 10%, it is **19.9399, 21.3009, 22.9354**.

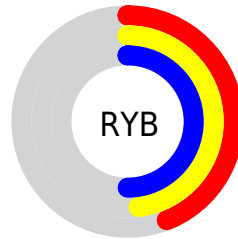
Distribution



Red (44%)

Green (50%)

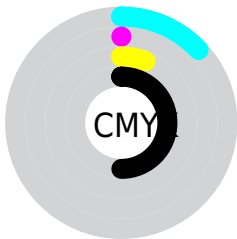
Blue (47%)



Red (44%)

Yellow (48%)

Blue (50%)

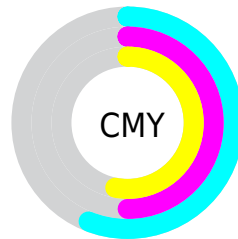


Cyan (13%)

Magenta (0%)

Yellow (6%)

Black (50%)



Cyan (56%)

Magenta (50%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7914, 20.2392, 20.7381 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 17.7914, 20.2392, 20.7381 by changing the saturation by 10% instead.

■ 17.7914, 20.2392,
20.7381

■ 17.7914, 20.2392,
20.7381

232.7610,
253.2071, 268.6185

■ 10.8991, 12.5690,
12.7433

■ 39.2144, 43.8179,
45.5264

■ 6.0658, 7.1325,
7.1234

■ 54.4759, 60.4951,
63.1569

■ 2.9262, 3.5451,
3.4598

■ 73.2578, 80.9436,
84.8365

■ 1.1148, 1.4225,
1.3339

■ 95.9254, 105.5476,
110.9837

■ 0.0375, 0.2332,
0.0893

122.8442,
134.6916, 142.0169

■ 0.0000, 0.0000,
0.0000

154.3795,

168.7599, 178.3547

190.8967,
208.1369, 220.4158

■ 17.7914, 20.2392,
20.7381

■ 17.7914, 20.2392,
20.7381

■ 15.9016, 19.3089,
18.6893

■ 19.9399, 21.3009,
22.9354

■ 14.2586, 18.5024,
16.7846

■ 22.3550, 22.4965,
25.2830

■ 12.8520, 17.8148,
15.0213

■ 25.0464, 23.8314,
27.7841

■ 11.6700, 17.2402,
13.3959

■ 28.0228, 25.3101,
30.4416

■ 10.6997, 16.7721,
11.9050

■ 31.2926, 26.9367,
33.2583

■ 9.9271, 16.4030,
10.5449

■ 34.8635, 28.7154,
36.2368

■ 9.3360, 16.1250,
9.3118

■ 38.7434, 30.6500,
39.3797

■ 8.9075, 15.9282,
8.2015

■ 42.9396, 32.7443,
42.6897

■ 8.6448, 15.8093,
7.4453

■ 47.4591, 35.0019,
46.1691

Harmonies

Analogous

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



18.2028, 20.2392, 18.9247



17.7914, 20.2392, 20.7381



17.7604, 20.2392, 23.0276

Triad

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



17.7914, 20.2392, 20.7381



19.5796, 20.2392, 26.6696



20.4019, 20.2392, 19.1567

Complementary

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



17.7914, 20.2392, 20.7381



18.0871, 17.5340, 20.2013

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.



20.7927, 20.2392, 21.0754



17.7914, 20.2392, 20.7381



20.3091, 20.2392, 25.4732

Square

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



17.7914, 20.2392, 20.7381



18.7777, 20.2392, 26.5634



20.7583, 20.2392, 23.3891



19.7032, 20.2392, 18.0565

Rectangle

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



17.7914, 20.2392, 20.7381



17.9583, 20.2392, 24.5273



20.7583, 20.2392, 23.3891



20.5745, 20.2392, 19.7213

Sweetspot

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



17.7920, 20.2401, 20.7385



34.4730, 37.1890, 39.7466



18.4273, 20.6214, 18.3385



8.0101, 8.6768, 9.2444



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.



17.7920, 20.2401, 20.7385



30.3322, 35.1449, 35.4595



18.2807, 20.4356, 23.3122



4.3587, 4.8518, 5.0600



8.5722, 15.6755, 7.3859



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.0871, 17.5340, 20.2013



30.9581, 29.4071, 34.3204



17.6363, 17.3537, 17.8274



4.4104, 4.3773, 4.9659



9.7456, 4.9179, 5.2501



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.7914, 20.2392, 20.7381 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 17.7914, 20.2392, 20.7381 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 17.7914, 20.2392, 20.7381

Background



This preview shows how black text looks on a background with the XYZ color 17.7914, 20.2392, 20.7381.

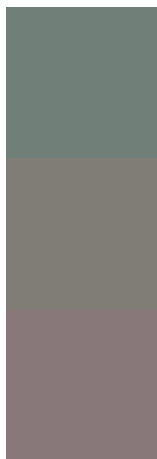


This preview shows how white text looks on a background with the XYZ color 17.7914, 20.2392,

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

17.7914, 20.2392, 20.7381

Protanopia

19.3798, 20.3125, 20.0388

Deuteranopia

20.5459, 20.1564, 21.2201



Tritanopia

18.9750, 20.3441, 26.2193

Trichromacy



Original Color

17.7914, 20.2392, 20.7381

Protanomaly

18.6894, 20.1367, 20.3545

Deuteranomaly

19.4362, 20.1356, 20.9513

Tritanomaly

18.5581, 20.3679, 24.0724

Monochromacy



Original Color

17.7914, 20.2392, 20.7381

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.1301, 19.6473, 20.9259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7914, 20.2392, 20.7381 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(112, 128, 120)` looks like.

```
.text, #text, p{  
    color:rgb(112, 128, 120)  
}
```

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(112, 128, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 128, 120) }
```

Border

The CSS property to change the border of an element to XYZ 17.7914, 20.2392, 20.7381 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(112, 128, 120) }
```


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

```
.border{ border-color:rgb(112, 128, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 128, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 128, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 128, 120);  
box-shadow:4px 4px 4px 4px rgb(112, 128,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7914, 20.2392, 20.7381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 128, 120) }
```

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

```
.background{ background-color: rgb(112,  
128, 120) }
```

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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