

Converting Colors

XYZ(17.7739, 19.1789, 20.3820)

Have a look what the booklet for
XYZ(17.7739, 19.1789, 20.3820)
contains.

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Color

**XYZ(17.8209, 19.1267,
20.5219)**

Conversions

Conversions Part 1

Format	Color
Hex	767A78
RGB	118, 122, 120
RGB Percent	46%, 48%, 47%
CMY	0.5373, 0.5216, 0.5294
CMYK	0.03, 0.00, 0.02, 0.52
HSL	150°, 2%, 47%
HSV	150°, 3%, 48%
XYZ	17.8209, 19.1267, 20.5219
YIQ	120.5760, -1.7420, -1.4700

Conversions

Conversions Part 2

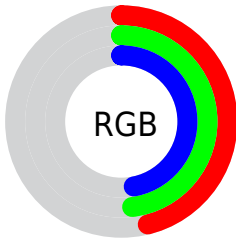
Format	Color
R_{YB}	118, 121, 122
Decimal	7764600
CIE Lab	50.84, -1.91, 0.56
CIE LCh	51, 1.987, 163.541
Yxy	19.1267, 0.3101, 0.3328
Android (android.graphics.Color)	4285954680 (0xFF767A78)
YUV	120.5760, -0.2840, -2.2592
Hunter-Lab	43.7341, -3.7989, 2.7925

Details

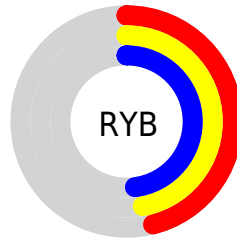
The XYZ color **17.8209, 19.1267, 20.5219** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.8953, 18.4509, 20.3884**, and the grayscale version is **18.0390, 18.9785, 20.6675**.

A 20% lighter version of the original color is **39.1600, 41.7967, 45.0333**, and **6.0780, 6.5351, 7.0719** is the 20% darker color. If you saturate the color by 10%, you get **15.9115, 18.1844, 18.5606**, and if you desaturate by 10%, it is **19.9693, 20.1906, 22.6185**.

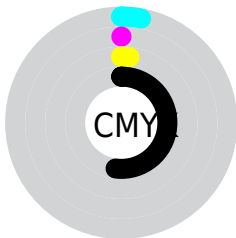
Distribution



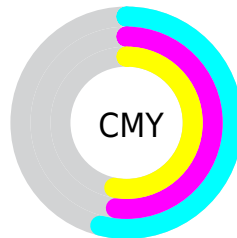
- Red (46%)
- Green (48%)
- Blue (47%)



- Red (46%)
- Yellow (47%)
- Blue (48%)



- Cyan (3%)
- Magenta (0%)
- Yellow (2%)
- Black (52%)



- Cyan (54%)
- Magenta (52%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8209, 19.1267, 20.5219 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 17.8209, 19.1267, 20.5219 by changing the saturation by 10% instead.

■ 17.8209, 19.1267,
20.5219

■ 17.8209, 19.1267,
20.5219

232.9248,
247.1473, 267.4237

■ 10.9204, 11.7619,
12.5872

■ 39.2644, 41.9481,
45.1609

■ 6.0802, 6.5817,
7.0175

■ 54.5381, 58.1734,
62.7022

■ 2.9350, 3.2019,
3.3944

■ 73.3335, 78.1210,
84.2828

■ 1.1195, 1.2380,
1.2994

96.0161, 102.1754,
110.3212

■ 0.0413, 0.0925,
0.0613

122.9512,
130.7207, 141.2359

■ 0.0000, 0.0000,
0.0000

154.5041,

164.1416, 177.4456

191.0401,
202.8223, 219.3687

■ 17.8209, 19.1267,
20.5219

■ 17.8209, 19.1267,
20.5219

■ 15.9115, 18.1844,
18.5606

■ 19.9693, 20.1906,
22.6185

■ 14.2310, 17.3568,
16.7306

■ 22.3632, 21.3778,
24.8516

■ 12.7707, 16.6401,
15.0295

■ 25.0110, 22.6930,
27.2242

■ 11.5208, 16.0293,
13.4545

■ 27.9200, 24.1400,
29.7388

■ 10.4709, 15.5192,
12.0025

■ 31.0974, 25.7224,
32.3977

■ 9.6095, 15.1037,
10.6706

■ 34.5499, 27.4437,
35.2034

■ 8.9239, 14.7764,
9.4553

■ 38.2841, 29.3073,
38.1579

■ 8.3997, 14.5300,
8.3534

■ 42.3065, 31.3163,
41.2636

■ 8.0189, 14.3553,
7.3609

■ 46.6230, 33.4739,
44.5227

Harmonies

Analogous

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



17.9214, 19.1267, 20.0543



17.8209, 19.1267, 20.5219



17.8160, 19.1267, 21.0790

Triad

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



17.8209, 19.1267, 20.5219



18.2676, 19.1267, 21.8910



18.4535, 19.1267, 20.0922

Complementary

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



17.8209, 19.1267, 20.5219



17.8953, 18.4509, 20.3884

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.



18.5476, 19.1267, 20.5744



17.8209, 19.1267, 20.5219



18.4398, 19.1267, 21.6166

Square

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



17.8209, 19.1267, 20.5219



18.0730, 19.1267, 21.8763



18.5426, 19.1267, 21.1325



18.2862, 19.1267, 19.8093

Rectangle

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



17.8209, 19.1267, 20.5219



17.8675, 19.1267, 21.4268



18.5426, 19.1267, 21.1325



18.4948, 19.1267, 20.2360

Sweetspot

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



17.8214, 19.1275, 20.5223



32.1671, 34.0526, 36.9143



17.9852, 19.2258, 19.9028



7.3615, 7.7894, 8.4469



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



17.8214, 19.1275, 20.5223



31.0620, 33.5061, 35.8127



17.9401, 19.1750, 21.1473



4.2394, 4.5854, 4.8909



8.2092, 15.0073, 7.0864



38.7290, 71.4146, 31.5404

Inverse Universe

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



17.8953, 18.4509, 20.3884



31.2234, 32.0276, 35.5199



17.7790, 18.4044, 19.7759



4.2639, 4.3615, 4.8466



9.3335, 4.7095, 5.0469



44.0919, 22.2931, 21.8117

Previews

White Background



This preview shows how the XYZ color 17.8209, 19.1267, 20.5219 looks on a white background.

Color Contrast Check

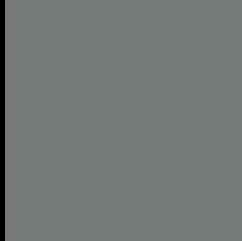
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8209, 19.1267, 20.5219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

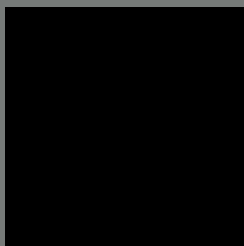
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

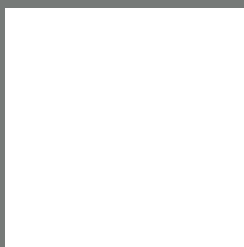
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.8209, 19.1267, 20.5219

Background



This preview shows how black text looks on a background with the XYZ color 17.8209, 19.1267, 20.5219.



This preview shows how white text looks on a background with the XYZ color 17.8209, 19.1267,

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

17.8209, 19.1267, 20.5219

Protanopia

18.2146, 18.9758, 20.1554

Deuteranopia

19.3282, 19.0086, 20.7395



Tritanopia

18.4915, 19.0377, 23.8191

Trichromacy



Original Color

17.8209, 19.1267, 20.5219

Protanomaly

18.0523, 19.0716, 20.1825

Deuteranomaly

18.8004, 19.0862, 20.7823

Tritanomaly

18.2110, 19.1030, 22.4661

Monochromacy



Original Color

17.8209, 19.1267, 20.5219

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.0343, 19.0483, 20.8153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8209, 19.1267, 20.5219 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(118, 122, 120)` looks like.

```
.text, #text, p{  
    color:rgb(118, 122, 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(118, 122, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 122, 120) }
```

Border

The CSS property to change the border of an element to XYZ 17.8209, 19.1267, 20.5219 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(118, 122, 120) }
```


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

```
.border{ border-color:rgb(118, 122, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 122, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 122, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 122, 120);  
box-shadow:4px 4px 4px 4px rgb(118, 122,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8209, 19.1267, 20.5219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 122, 120) }
```

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

```
.background{ background-color: rgb(118,  
122, 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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