

Converting Colors

XYZ(17.6968, 18.6520, 20.0045)

Have a look what the booklet for
XYZ(17.6968, 18.6520, 20.0045)
contains.

XYZ(17.7920, 18.7579, 20.1357)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(17.7920, 18.7579,
20.1357)**

Conversions

Conversions Part 1

Format	Color
Hex	787877
RGB	120, 120, 119
RGB Percent	47%, 47%, 47%
CMY	0.5294, 0.5294, 0.5333
CMYK	0.00, 0.00, 0.01, 0.53
HSL	60°, 0%, 47%
HSV	60°, 1%, 47%
XYZ	17.7920, 18.7579, 20.1357
YIQ	119.8860, 0.3210, -0.3110

Conversions

Conversions Part 2

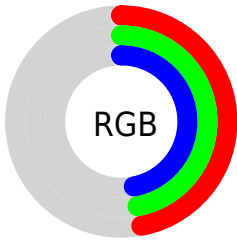
Format	Color
RYB	119, 120, 119
Decimal	7895159
CIELab	50.40, -0.20, 0.54
CIELCh	50, 0.576, 110.006
Yxy	18.7579, 0.3139, 0.3309
Android (android.graphics.Color)	4286085239 (0xFF787877)
YUV	119.8860, -0.4368, 0.1000
Hunter-Lab	43.3104, -2.4650, 2.7524

Details

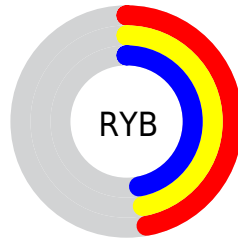
The XYZ color **17.7920, 18.7579, 20.1357** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.5954, 18.4722, 20.4083**, and the grayscale version is **17.8179, 18.7458, 20.4142**.

A 20% lighter version of the original color is **39.1165, 41.2160, 44.4219**, and **6.1272, 6.4674, 6.8866** is the 20% darker color. If you saturate the color by 10%, you get **17.1137, 18.4868, 16.5764**, and if you desaturate by 10%, it is **18.5624, 19.0670, 24.1751**.

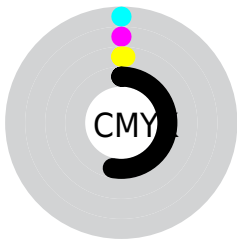
Distribution



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



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



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (53%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7920, 18.7579, 20.1357 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 17.7920, 18.7579, 20.1357 by changing the saturation by 10% instead.

■ 17.7920, 18.7579,
20.1357

■ 17.7920, 18.7579,
20.1357

232.7644,
245.1090, 265.2773

■ 10.8995, 11.4955,
12.3087

■ 39.2154, 41.3246,
44.5065

■ 6.0661, 6.4011,
6.8292

■ 54.4771, 57.3977,
61.8874

■ 2.9264, 3.0905,
3.2787

■ 73.2593, 77.1764,
83.2900

■ 1.1149, 1.1792,
1.2386

95.9273, 101.0452,
109.1328

■ 0.0376, 0.0446,
0.0107

122.8464,
129.3885, 139.8344

■ 0.0000, 0.0000,
0.0000

154.3821,

162.5906, 175.8133

190.8996,
201.0360, 217.4881

■ 17.7920, 18.7579,
20.1357

■ 17.7920, 18.7579,
20.1357

■ 17.1137, 18.4868,
16.5764

■ 18.5624, 19.0670,
24.1751

■ 16.5225, 18.2501,
13.4784

■ 19.4265, 19.4129,
28.7104

■ 16.0154, 18.0469,
10.8229

■ 20.3878, 19.7978,
33.7580

■ 15.5886, 17.8758,
8.5900

■ 21.4494, 20.2228,
39.3331

■ 15.2378, 17.7352,
6.7577

■ 22.6140, 20.6889,
45.4506

■ 14.9586, 17.6231,
5.3025

■ 23.8842, 21.1974,
52.1244

■ 14.7460, 17.5378,
4.1980

■ 25.2626, 21.7491,
59.3683

■ 14.5944, 17.4768,
3.4147

■ 26.7518, 22.3451,
67.1952

■ 14.4973, 17.4376,
2.9183

■ 28.3541, 22.9863,
75.6180

Harmonies

Analogous

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



17.8475, 18.7579, 20.1219



17.7920, 18.7579, 20.1357



17.7464, 18.7579, 20.2266

Triad

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



17.7920, 18.7579, 20.1357



17.7597, 18.7579, 20.6614



17.9351, 18.7579, 20.4777

Complementary

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



17.7920, 18.7579, 20.1357



17.5954, 18.4722, 20.4083

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.



17.9115, 18.7579, 20.6230



17.7920, 18.7579, 20.1357



17.8101, 18.7579, 20.7294

Square

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



17.7920, 18.7579, 20.1357



17.7278, 18.7579, 20.5299



17.8657, 18.7579, 20.7154



17.9302, 18.7579, 20.3188

Rectangle

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



17.7920, 18.7579, 20.1357



17.7278, 18.7579, 20.3189



17.8657, 18.7579, 20.7154



17.9302, 18.7579, 20.5298

Sweetspot

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



17.7925, 18.7587, 20.1361



31.3992, 33.0344, 35.9744



17.6729, 18.5191, 20.0962



7.4413, 7.8288, 8.5256



59.0181, 62.0916, 67.6177

Same Dimension

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



17.7925, 18.7587, 20.1361



31.2682, 32.9819, 35.2876



17.7235, 18.7231, 20.1329



4.4474, 4.6898, 5.0277



15.7461, 18.9946, 2.8364



75.1023, 90.6021, 13.5296

Inverse Universe

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



17.5954, 18.4722, 20.4083



30.8433, 32.3642, 35.8744



17.6641, 18.5076, 20.4115



4.3938, 4.6119, 5.1018



3.7012, 1.4808, 19.4760



17.6475, 7.0596, 92.9023

Previews

White Background



This preview shows how the XYZ color 17.7920, 18.7579, 20.1357 looks on a white background.

Color Contrast Check

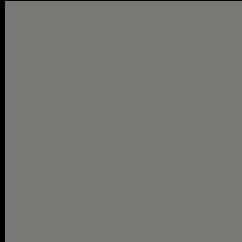
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7920, 18.7579, 20.1357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

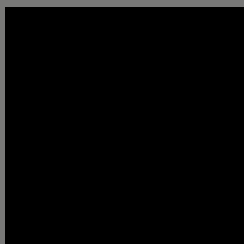
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

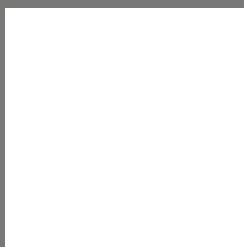
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.7920, 18.7579, 20.1357

Background



This preview shows how black text looks on a background with the XYZ color 17.7920, 18.7579, 20.1357.



This preview shows how white text looks on a background with the XYZ color 17.7920, 18.7579,

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

17.7920, 18.7579, 20.1357

Protanopia

17.9526, 18.6631, 20.1089

Deuteranopia

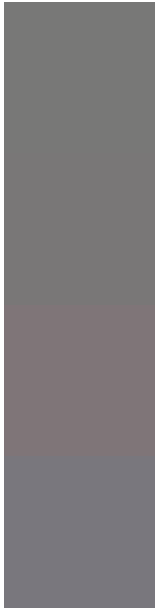
18.9956, 18.6721, 20.3722



Tritanopia

18.3783, 18.8171, 23.0855

Trichromacy



Original Color

17.7920, 18.7579, 20.1357

Protanomaly

17.8118, 18.5905, 20.1023

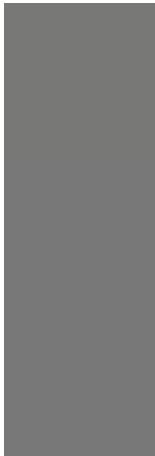
Deuteranomaly

18.5039, 18.5907, 20.3824

Tritanomaly

18.1837, 18.7393, 22.0607

Monochromacy



Original Color

17.7920, 18.7579, 20.1357

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.8524, 18.7821, 20.4537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7920, 18.7579, 20.1357 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(120, 120, 119)` looks like.

```
.text, #text, p{  
    color:rgb(120, 120, 119)  
}
```

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(120, 120, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 120, 119) }
```

Border

The CSS property to change the border of an element to XYZ 17.7920, 18.7579, 20.1357 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(120, 120, 119) }
```

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

```
.border{ border-color:rgb(120, 120, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 120, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 120, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 120, 119);  
box-shadow:4px 4px 4px 4px rgb(120, 120,  
119) }
```


Background

The CSS property to change the background color of an element to XYZ 17.7920, 18.7579, 20.1357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 120, 119) }
```

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

```
.background{ background-color: rgb(120,  
120, 119) }
```

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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