

Converting Colors

XYZ(16.9992, 18.0564, 20.0534)

Have a look what the booklet for
XYZ(16.9992, 18.0564, 20.0534)
contains.

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Color

**XYZ(17.0107, 18.0018,
20.0309)**

Conversions

Conversions Part 1

Format	Color
Hex	747677
RGB	116, 118, 119
RGB Percent	45%, 46%, 47%
CMY	0.5451, 0.5372, 0.5333
CMYK	0.03, 0.01, 0.00, 0.53
HSL	200°, 1%, 46%
HSV	200°, 3%, 47%
XYZ	17.0107, 18.0018, 20.0309
YIQ	117.5160, -1.5130, -0.1130

Conversions

Conversions Part 2

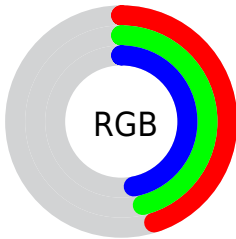
Format	Color
R_{YB}	116, 117, 119
Decimal	7632503
CIE Lab	49.50, -0.55, -0.82
CIE LCh	49, 0.986, 236.232
Yxy	18.0018, 0.3090, 0.3270
Android (android.graphics.Color)	4285822583 (0xFF747677)
YUV	117.5160, 0.7316, -1.3295
Hunter-Lab	42.4285, -2.6846, 1.7086

Details

The XYZ color **17.0107, 18.0018, 20.0309** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.1215, 17.9053, 19.0770**, and the grayscale version is **17.0674, 17.9562, 19.5543**.

A 20% lighter version of the original color is **37.8739, 40.0146, 44.2555**, and **5.7114, 6.0642, 6.8307** is the 20% darker color. If you saturate the color by 10%, you get **15.0728, 16.3256, 19.8098**, and if you desaturate by 10%, it is **19.1719, 19.8231, 20.2688**.

Distribution



Red (45%)

Green (46%)

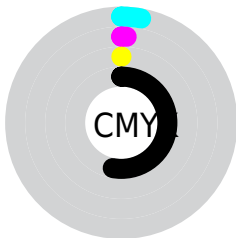
Blue (47%)



Red (45%)

Yellow (46%)

Blue (47%)

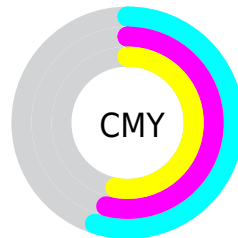


Cyan (3%)

Magenta (1%)

Yellow (0%)

Black (53%)



Cyan (55%)

Magenta (54%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0107, 18.0018, 20.0309 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 17.0107, 18.0018, 20.0309 by changing the saturation by 10% instead.

■ 17.0107, 18.0018,
20.0309

■ 17.0107, 18.0018,
20.0309

228.3891,
240.8812, 264.6921

■ 10.3375, 10.9513,
12.2332

■ 37.8876, 40.0404,
44.3286

■ 5.6873, 6.0341,
6.7782

■ 52.8220, 55.7973,
61.6658

■ 2.6947, 2.8658,
3.2475

■ 71.2409, 75.2250,
83.0198

■ 0.9945, 1.0621,
1.2223

93.5095, 98.7081,
108.8092

■ 0.0000, 0.0000,
0.0000

119.9933,
126.6308, 139.4526

151.0576,

159.3777, 175.3686

187.0677,
197.3330, 216.9755

■ 17.0107, 18.0018,
20.0309

■ 17.0107, 18.0018,
20.0309

■ 15.0728, 16.3256,
19.8098

■ 19.1719, 19.8231,
20.2688

■ 13.3487, 14.7879,
19.6038

■ 21.5623, 21.7915,
20.5228

■ 11.8306, 13.3847,
19.4130

■ 24.1895, 23.9118,
20.7935

■ 10.5096, 12.1111,
19.2368

■ 27.0603, 26.1876,
21.0815

■ 9.3761, 10.9617,
19.0747

■ 30.1812, 28.6228,
21.3871

■ 8.4195, 9.9307,
18.9261

■ 33.5585, 31.2209,
21.7106

■ 7.6282, 9.0119,
18.7905

■ 37.1981, 33.9853,
22.0523

■ 6.9893, 8.1979,
18.6670

■ 41.1060, 36.9193,
22.4127

■ 6.4868, 7.4804,
18.5550

■ 45.2877, 40.0262,
22.7919

Harmonies

Analogous

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



16.9498, 18.0018, 19.8288



17.0107, 18.0018, 20.0309



17.0984, 18.0018, 20.1178

Triad

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



17.0107, 18.0018, 20.0309



17.2897, 18.0018, 19.6347



17.0310, 18.0018, 19.1439

Complementary

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



17.0107, 18.0018, 20.0309



17.1215, 17.9053, 19.0770

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.



17.1220, 18.0018, 19.0929



17.0107, 18.0018, 20.0309



17.2715, 18.0018, 19.3748

Square

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



17.0107, 18.0018, 20.0309



17.2597, 18.0018, 19.8877



17.2100, 18.0018, 19.1771



16.9615, 18.0018, 19.3169

Rectangle

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



17.0107, 18.0018, 20.0309



17.1603, 18.0018, 20.0981



17.2100, 18.0018, 19.1771



17.0601, 18.0018, 19.1120

Sweetspot

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



17.0112, 18.0026, 20.0313



31.0148, 32.7081, 35.9317



17.0075, 18.1901, 19.4292



7.3569, 7.7572, 8.5162



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.



17.0112, 18.0026, 20.0313



30.2588, 32.0637, 35.8472



16.8415, 17.6632, 19.9747



3.9348, 4.1747, 4.6886



6.5310, 7.4016, 19.6270



31.0154, 34.4473, 95.3746

Inverse Universe

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



17.1236, 17.7211, 19.6585



30.5038, 31.4519, 35.0339



17.2920, 18.2463, 19.1338



3.9723, 4.0812, 4.5640



9.5937, 4.7712, 8.3344



46.3419, 23.0869, 38.4592

Previews

White Background



This preview shows how the XYZ color 17.0107, 18.0018, 20.0309 looks on a white background.

Color Contrast Check

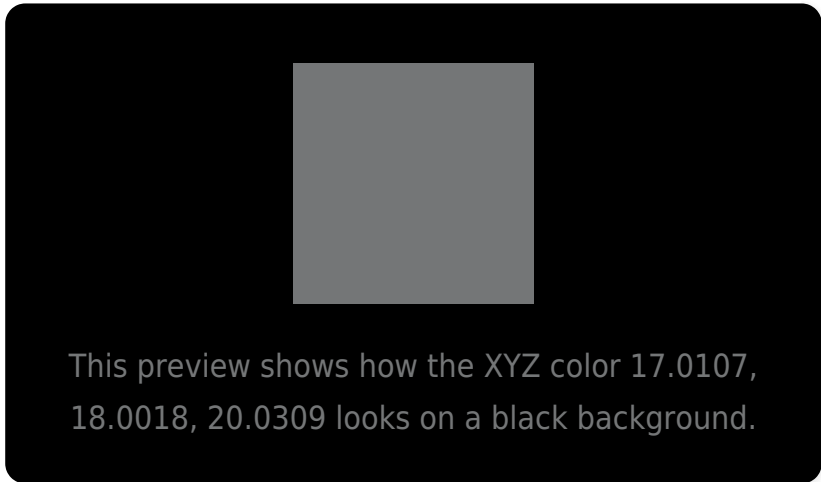
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

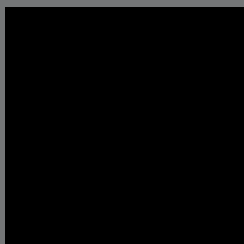
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

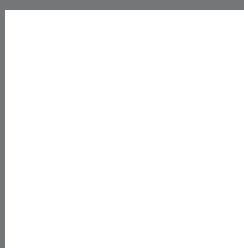
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.0107, 18.0018, 20.0309

Background



This preview shows how black text looks on a background with the XYZ color 17.0107, 18.0018, 20.0309.



This preview shows how white text looks on a background with the XYZ color 17.0107, 18.0018,

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

17.0107, 18.0018, 20.0309

Protanopia

17.2391, 17.9525, 19.6961

Deuteranopia

18.3096, 17.9799, 20.2747



Tritanopia

17.4633, 18.0108, 22.2947

Trichromacy



Original Color

17.0107, 18.0018, 20.0309

Protanomaly

17.1025, 17.8821, 19.6897

Deuteranomaly

17.8331, 17.9026, 20.2849

Tritanomaly

17.2726, 17.9345, 21.2902

Monochromacy



Original Color

17.0107, 18.0018, 20.0309

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.0846, 18.0468, 19.7225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0107, 18.0018, 20.0309 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(116, 118, 119)` looks like.

```
.text, #text, p{  
    color:rgb(116, 118, 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(116, 118, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 118, 119) }
```

Border

The CSS property to change the border of an element to XYZ 17.0107, 18.0018, 20.0309 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(116, 118, 119) }
```


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

```
.border{ border-color:rgb(116, 118, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 118, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 118, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 118, 119);  
box-shadow:4px 4px 4px 4px rgb(116, 118,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0107, 18.0018, 20.0309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 118, 119) }
```

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

```
.background{ background-color: rgb(116,  
118, 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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