

Converting Colors

XYZ(16.9682, 18.0665, 20.1604)

Have a look what the booklet for
XYZ(16.9682, 18.0665, 20.1604)
contains.

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Color

**XYZ(16.9968, 18.1704,
20.0642)**

Conversions

Conversions Part 1

Format	Color
Hex	737777
RGB	115, 119, 119
RGB Percent	45%, 47%, 47%
CMY	0.5490, 0.5333, 0.5333
CMYK	0.03, 0.00, 0.00, 0.53
HSL	180°, 2%, 46%
HSV	180°, 3%, 47%
XYZ	16.9968, 18.1704, 20.0642
YIQ	117.8040, -2.3840, -0.8480

Conversions

Conversions Part 2

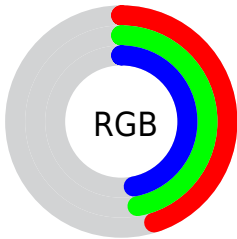
Format	Color
R _Y B	115, 117, 119
Decimal	7567223
CIE Lab	49.70, -1.50, -0.53
CIE LCh	50, 1.595, 199.464
Yxy	18.1704, 0.3077, 0.3290
Android (android.graphics.Color)	4285757303 (0xFF737777)
YUV	117.8040, 0.5896, -2.4591
Hunter-Lab	42.6268, -3.4225, 1.9312

Details

The XYZ color **16.9968, 18.1704, 20.0642** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.8336, 17.4216, 18.6959**, and the grayscale version is **17.1578, 18.0513, 19.6579**.

A 20% lighter version of the original color is **37.8499, 40.2816, 44.3083**, and **5.7053, 6.1547, 6.8485** is the 20% darker color. If you saturate the color by 10%, you get **15.5317, 17.4157, 19.9941**, and if you desaturate by 10%, it is **18.6650, 19.0309, 20.1446**.

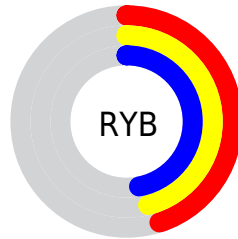
Distribution



Red (45%)

Green (47%)

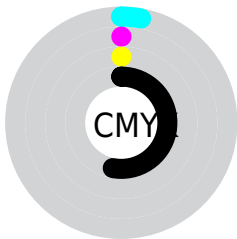
Blue (47%)



Red (45%)

Yellow (46%)

Blue (47%)

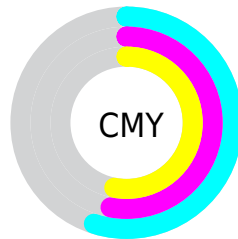


Cyan (3%)

Magenta (0%)

Yellow (0%)

Black (53%)



Cyan (55%)

Magenta (53%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9968, 18.1704, 20.0642 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 16.9968, 18.1704, 20.0642 by changing the saturation by 10% instead.

■ 16.9968, 18.1704,
20.0642

■ 16.9968, 18.1704,
20.0642

228.3105,
241.8298, 264.8782

■ 10.3275, 11.0724,
12.2572

■ 37.8639, 40.3275,
44.3852

■ 5.6806, 6.1155,
6.7944

■ 52.7924, 56.1553,
61.7362

■ 2.6906, 2.9155,
3.2574

■ 71.2048, 75.6619,
83.1057

■ 0.9924, 1.0878,
1.2275

■ 93.4662, 99.2316,
108.9121

■ 0.0000, 0.0000,
0.0012

119.9422,
127.2489, 139.5740

■ 0.0000, 0.0000,
0.0000

150.9980,

160.0981, 175.5100

186.9990,
198.1636, 217.1385

■ 16.9968, 18.1704,
20.0642

■ 16.9968, 18.1704,
20.0642

■ 15.5317, 17.4157,
19.9941

■ 18.6650, 19.0309,
20.1446

■ 14.2604, 16.7603,
19.9327

■ 20.5420, 19.9985,
20.2343

■ 13.1754, 16.2010,
19.8800

■ 22.6353, 21.0775,
20.3342

■ 12.2678, 15.7332,
19.8356

■ 24.9513, 22.2714,
20.4445

■ 11.5282, 15.3520,
19.7991

■ 27.4965, 23.5835,
20.5655

■ 10.9464, 15.0521,
19.7700

■ 30.2768, 25.0167,
20.6975

■ 10.5108, 14.8275,
19.7477

■ 33.2981, 26.5743,
20.8408

■ 10.2085, 14.6717,
19.7316

■ 36.5661, 28.2589,
20.9957

■ 10.0226, 14.5759,
19.7210

■ 40.0861, 30.0735,
21.1623

Harmonies

Analogous

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



16.9852, 18.1704, 19.6321



16.9968, 18.1704, 20.0642



17.0815, 18.1704, 20.4263

Triad

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



16.9968, 18.1704, 20.0642



17.4931, 18.1704, 20.3325



17.3238, 18.1704, 18.9743

Complementary

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



16.9968, 18.1704, 20.0642



16.8336, 17.4216, 18.6959

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.



17.4607, 18.1704, 19.1562



16.9968, 18.1704, 20.0642



17.5588, 18.1704, 19.9377

Square

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



16.9968, 18.1704, 20.0642



17.3678, 18.1704, 20.5828



17.5470, 18.1704, 19.5074



17.1734, 18.1704, 19.0071

Rectangle

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



16.9968, 18.1704, 20.0642



17.1683, 18.1704, 20.5773



17.5470, 18.1704, 19.5074



17.3730, 18.1704, 19.0123

Sweetspot

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



16.9973, 18.1712, 20.0646



31.1011, 32.8807, 35.9601



16.7708, 18.0816, 18.8260



7.3759, 7.7951, 8.5225



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.



16.9973, 18.1712, 20.0646



30.2299, 32.4316, 35.9183



16.7695, 17.7154, 19.9893



3.9415, 4.2368, 4.7001



10.5426, 15.4310, 20.9450



51.3741, 75.1969, 102.0620

Inverse Universe

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



16.8336, 17.4216, 18.6959



29.8741, 30.8025, 32.9435



17.0564, 17.8674, 18.7696



3.8904, 4.0030, 4.2731



8.0831, 4.1670, 0.3801



39.3892, 20.3058, 1.8470

Previews

White Background



This preview shows how the XYZ color 16.9968, 18.1704, 20.0642 looks on a white background.

Color Contrast Check

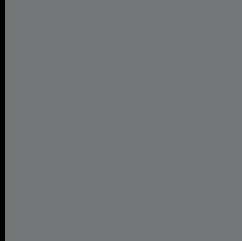
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9968, 18.1704, 20.0642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

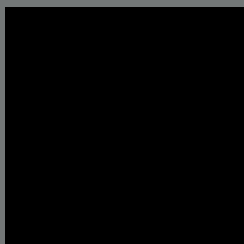
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

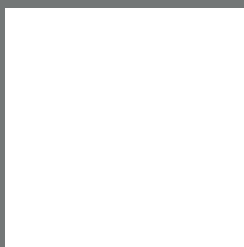
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9968, 18.1704, 20.0642

Background



This preview shows how black text looks on a background with the XYZ color 16.9968, 18.1704, 20.0642.



This preview shows how white text looks on a background with the XYZ color 16.9968, 18.1704,

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

16.9968, 18.1704, 20.0642

Protanopia

17.4942, 18.2579, 19.7416

Deuteranopia

18.4607, 18.0578, 20.2818



Tritanopia

17.5117, 18.2022, 22.6691

Trichromacy



Original Color

16.9968, 18.1704, 20.0642

Protanomaly

17.2197, 18.1164, 19.7288

Deuteranomaly

17.9477, 18.1319, 20.3232

Tritanomaly

17.3190, 18.1251, 21.6545

Monochromacy



Original Color

16.9968, 18.1704, 20.0642

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 16.9968, 18.1704, 20.0642 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(115, 119, 119)` looks like.

```
.text, #text, p{  
    color:rgb(115, 119, 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(115, 119, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 119, 119) }
```

Border

The CSS property to change the border of an element to XYZ 16.9968, 18.1704, 20.0642 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(115, 119, 119) }
```


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

```
.border{ border-color:rgb(115, 119, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 119, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 119, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 119, 119);  
box-shadow:4px 4px 4px 4px rgb(115, 119,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9968, 18.1704, 20.0642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 119, 119) }
```

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

```
.background{ background-color: rgb(115,  
119, 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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