

Converting Colors

XYZ(16.8840, 17.5232, 18.3422)

Have a look what the booklet for
XYZ(16.8840, 17.5232, 18.3422)
contains.

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Color

**XYZ(16.9137, 17.4694,
18.4001)**

Conversions

Conversions Part 1

Format	Color
Hex	787372
RGB	120, 115, 114
RGB Percent	47%, 45%, 45%
CMY	0.5294, 0.5490, 0.5529
CMYK	0.00, 0.04, 0.05, 0.53
HSL	10°, 3%, 46%
HSV	10°, 5%, 47%
XYZ	16.9137, 17.4694, 18.4001
YIQ	116.3810, 3.3010, 0.7490

Conversions

Conversions Part 2

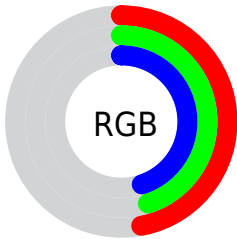
Format	Color
R_{YB}	120, 115, 114
Decimal	7893874
CIE _{Lab}	48.85, 1.73, 1.23
CIE _{LCh}	49, 2.120, 35.479
Yxy	17.4694, 0.3204, 0.3310
Android (android.graphics.Color)	4286083954 (0xFF787372)
YUV	116.3810, -1.1738, 3.1739
Hunter-Lab	41.7964, -0.9104, 3.1562

Details

The XYZ color **16.9137, 17.4694, 18.4001** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.9264, 18.1269, 20.3762**, and the grayscale version is **16.7206, 17.5914, 19.1570**.

A 20% lighter version of the original color is **37.7149, 39.1613, 41.6475**, and **5.6630, 5.7854, 5.9725** is the 20% darker color. If you saturate the color by 10%, you get **15.1964, 15.0570, 14.6760**, and if you desaturate by 10%, it is **18.8453, 20.1665, 22.6383**.

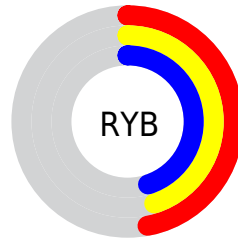
Distribution



Red (47%)

Green (45%)

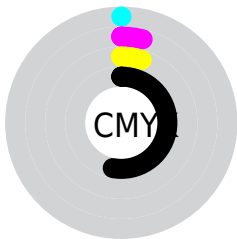
Blue (45%)



Red (47%)

Yellow (45%)

Blue (45%)

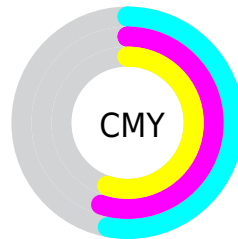


Cyan (0%)

Magenta (4%)

Yellow (5%)

Black (53%)



Cyan (53%)

Magenta (55%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9137, 17.4694, 18.4001 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 16.9137, 17.4694, 18.4001 by changing the saturation by 10% instead.

■ 16.9137, 17.4694,
18.4001

■ 16.9137, 17.4694,
18.4001

227.8405,
237.8631, 255.4281

■ 10.2679, 10.5697,
11.0652

■ 37.7221, 39.1311,
41.5410

■ 5.6406, 5.7783,
5.9960

■ 52.6154, 54.6619,
58.1841

■ 2.6663, 2.7107,
2.7739

■ 70.9887, 73.8385,
78.7671

■ 0.9799, 0.9827,
0.9804

■ 93.2071, 97.0454,
103.7084

■ 0.0000, 0.0000,
0.0000

119.6362,
124.6669, 133.4266

150.6412,

157.0874, 168.3402

186.5875,
194.6913, 208.8679

■ 16.9137, 17.4694,
18.4001

■ 16.9137, 17.4694,
18.4001

■ 15.1964, 15.0570,
14.6760

■ 18.8453, 20.1665,
22.6383

■ 13.6845, 12.9176,
11.4451

■ 20.9966, 23.1547,
27.4078

■ 12.3706, 11.0425,
8.6873

■ 23.3750, 26.4433,
32.7267

■ 11.2465, 9.4211,
6.3801

■ 25.9868, 30.0403,
38.6117

■ 10.3033, 8.0426,
4.4994

■ 28.8381, 33.9535,
45.0788

■ 9.5312, 6.8951,
3.0191

■ 31.9349, 38.1904,
52.1434

■ 8.9197, 5.9659,
1.9097

■ 35.2829, 42.7582,
59.8205

■ 8.4570, 5.2408,
1.1381

■ 38.8877, 47.6640,
68.1242

■ 8.1271, 4.7031,
0.6518

■ 42.7545, 52.9145,
77.0684

Harmonies

Analogous

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



16.9831, 17.4694, 18.9181



16.9137, 17.4694, 18.4001



16.7614, 17.4694, 18.0537

Triad

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



16.9137, 17.4694, 18.4001



16.2628, 17.4694, 18.5757



16.6402, 17.4694, 20.1187

Complementary

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



16.9137, 17.4694, 18.4001



16.9264, 18.1269, 20.3762

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.



16.4478, 17.4694, 20.0227



16.9137, 17.4694, 18.4001



16.2309, 17.4694, 19.1247

Square

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



16.9137, 17.4694, 18.4001



16.3858, 17.4694, 18.1536



16.2984, 17.4694, 19.6561



16.8244, 17.4694, 19.9160

Rectangle

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



16.9137, 17.4694, 18.4001



16.6339, 17.4694, 17.9628



16.2984, 17.4694, 19.6561



16.5744, 17.4694, 20.1204

Sweetspot

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



16.9142, 17.4702, 18.4005



31.0533, 32.5512, 35.2158



17.0930, 17.3599, 19.9029



7.3654, 7.7228, 8.3591



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.



16.9142, 17.4702, 18.4005



29.3833, 30.2147, 31.5661



17.2617, 18.1651, 18.5163



4.1678, 4.2821, 4.4668



8.7159, 4.8876, 0.4840



41.1416, 22.4467, 2.1642

Inverse Universe

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



16.9264, 18.1269, 20.3762



29.4096, 31.6244, 35.8071



16.5752, 17.4245, 20.2592



4.1716, 4.4892, 5.0898



8.6573, 11.3970, 21.1288



40.7610, 53.2947, 100.6084

Previews

White Background



This preview shows how the XYZ color 16.9137, 17.4694, 18.4001 looks on a white background.

Color Contrast Check

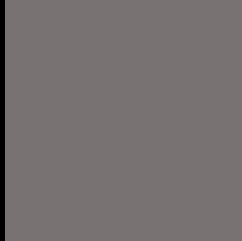
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9137, 17.4694, 18.4001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

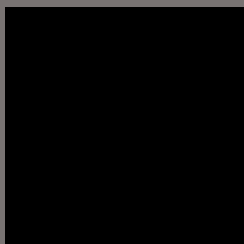
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

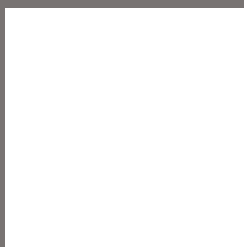
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9137, 17.4694, 18.4001

Background



This preview shows how black text looks on a background with the XYZ color 16.9137, 17.4694, 18.4001.



This preview shows how white text looks on a background with the XYZ color 16.9137, 17.4694,

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

16.9137, 17.4694, 18.4001

Protanopia

16.6392, 17.3279, 18.3872

Deuteranopia

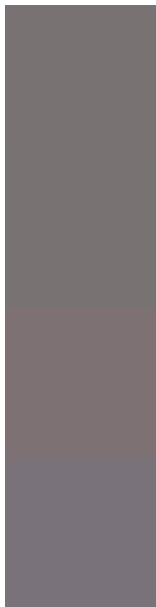
17.7908, 17.4153, 18.6435



Tritanopia

17.4776, 17.5296, 21.2013

Trichromacy



Original Color

16.9137, 17.4694, 18.4001

Protanomaly

16.7757, 17.3983, 18.3936

Deuteranomaly

17.4571, 17.4080, 18.6597

Tritanomaly

17.2926, 17.4556, 20.2272

Monochromacy



Original Color

16.9137, 17.4694, 18.4001

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.6760, 17.5105, 18.7206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9137, 17.4694, 18.4001 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, 115, 114)` looks like.

```
.text, #text, p{  
    color:rgb(120, 115, 114)  
}
```

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, 115, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 115, 114) }
```

Border

The CSS property to change the border of an element to XYZ 16.9137, 17.4694, 18.4001 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, 115, 114) }
```


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

```
.border{ border-color:rgb(120, 115, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 115, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 115, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 115, 114);  
box-shadow:4px 4px 4px 4px rgb(120, 115,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9137, 17.4694, 18.4001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 115, 114) }
```

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

```
.background{ background-color: rgb(120,  
115, 114) }
```

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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