

Converting Colors

XYZ(17.2745, 18.2344, 18.4866)

Have a look what the booklet for
XYZ(17.2745, 18.2344, 18.4866)
contains.

XYZ(17.2614, 18.1648, 18.5160)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.2614, 18.1648,
18.5160)**

Conversions

Conversions Part 1

Format	Color
Hex	787672
RGB	120, 118, 114
RGB Percent	47%, 46%, 45%
CMY	0.5294, 0.5372, 0.5529
CMYK	0.00, 0.02, 0.05, 0.53
HSL	40°, 3%, 46%
HSV	40°, 5%, 47%
XYZ	17.2614, 18.1648, 18.5160
YIQ	118.1420, 2.4760, -0.8200

Conversions

Conversions Part 2

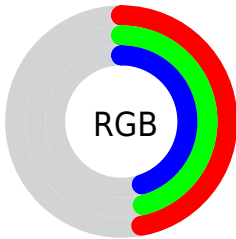
Format	Color
RYB	117, 120, 114
Decimal	7894642
CIELab	49.70, -0.02, 2.46
CIElCh	50, 2.463, 90.470
Yxy	18.1648, 0.3200, 0.3367
Android (android.graphics.Color)	4286084722 (0xFF787672)
YUV	118.1420, -2.0420, 1.6295
Hunter-Lab	42.6202, -2.2919, 4.0761

Details

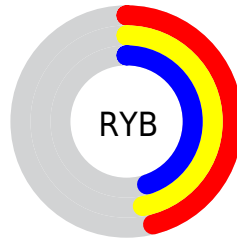
The XYZ color **17.2614, 18.1648, 18.5160** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.5750, 17.4240, 20.2591**, and the grayscale version is **17.2704, 18.1698, 19.7869**.

A 20% lighter version of the original color is **38.2709, 40.2733, 41.8328**, and **5.8460, 6.1514, 6.0335** is the 20% darker color. If you saturate the color by 10%, you get **16.1623, 16.9887, 14.9979**, and if you desaturate by 10%, it is **18.4711, 19.4182, 22.5136**.

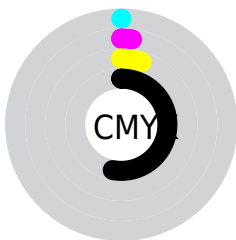
Distribution



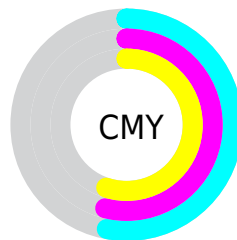
- Red (47%)
- Green (46%)
- Blue (45%)



- Red (46%)
- Yellow (47%)
- Blue (45%)



- Cyan (0%)
- Magenta (2%)
- Yellow (5%)
- Black (53%)



- Cyan (53%)
- Magenta (54%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2614, 18.1648, 18.5160 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 17.2614, 18.1648, 18.5160 by changing the saturation by 10% instead.

■ 17.2614, 18.1648,
18.5160

■ 17.2614, 18.1648,
18.5160

229.8013,
241.7983, 256.0967

■ 10.5175, 11.0684,
11.1478

■ 38.3147, 40.3179,
41.7404

■ 5.8083, 6.1128,
6.0509

■ 53.3548, 56.1434,
58.4337

■ 2.7684, 2.9138,
2.8068

■ 71.8910, 75.6474,
79.0724

■ 1.0325, 1.0869,
0.9968

■ 94.2887, 99.2143,
104.0751

■ 0.0000, 0.0000,
0.0000

120.9132,
127.2284, 133.8604

152.1299,

160.0742, 168.8467

188.3041,
198.1360, 209.4526

■ 17.2614, 18.1648,
18.5160

■ 17.2614, 18.1648,
18.5160

■ 16.1623, 16.9887,
14.9979

■ 18.4711, 19.4182,
22.5136

■ 15.1685, 15.8856,
11.9398

■ 19.7935, 20.7484,
27.0068

■ 14.2766, 14.8545,
9.3226

■ 21.2322, 22.1578,
32.0125

■ 13.4825, 13.8931,
7.1254

■ 22.7906, 23.6481,
37.5463

■ 12.7816, 12.9994,
5.3256

■ 24.4718, 25.2208,
43.6234

■ 12.1690, 12.1708,
3.8984

■ 26.2785, 26.8776,
50.2580

■ 11.6391, 11.4047,
2.8162

■ 28.2137, 28.6198,
57.4641

■ 11.1857, 10.6983,
2.0477

■ 30.2802, 30.4490,
65.2551

■ 10.7991, 10.0471,
1.5424

■ 32.4806, 32.3666,
73.6438

Harmonies

Analogous

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



17.4881, 18.1648, 18.6768



17.2614, 18.1648, 18.5160



17.0376, 18.1648, 18.6870

Triad

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



17.2614, 18.1648, 18.5160



16.8797, 18.1648, 20.4399



17.6601, 18.1648, 20.4212

Complementary

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



17.2614, 18.1648, 18.5160



16.5750, 17.4240, 20.2591

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.



17.4946, 18.1648, 20.9114



17.2614, 18.1648, 18.5160



17.0440, 18.1648, 20.9224

Square

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



17.2614, 18.1648, 18.5160



16.8185, 18.1648, 19.7890



17.2688, 18.1648, 21.0969



17.7195, 18.1648, 19.7678

Rectangle

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



17.2614, 18.1648, 18.5160



16.9199, 18.1648, 18.9685



17.2688, 18.1648, 21.0969



17.6149, 18.1648, 20.6110

Sweetspot

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



17.2619, 18.1656, 18.5164



31.1823, 32.8094, 35.2588



16.9157, 17.2889, 18.9688



7.3937, 7.7795, 8.3685



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.



17.2619, 18.1656, 18.5164



30.1288, 31.7055, 31.8145



17.3617, 18.5700, 18.5892



4.2772, 4.5011, 4.5033



11.5698, 10.5956, 1.4354



54.3829, 48.9292, 6.5780

Inverse Universe

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



16.5750, 17.4240, 20.2591



28.6543, 30.1138, 35.5554



16.4780, 17.0358, 20.1893



4.0606, 4.2672, 5.0528



4.5125, 3.1075, 19.7473



20.8171, 13.4068, 93.9604

Previews

White Background



This preview shows how the XYZ color 17.2614, 18.1648, 18.5160 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 17.2614, 18.1648, 18.5160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

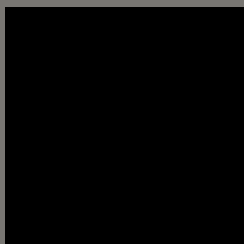
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

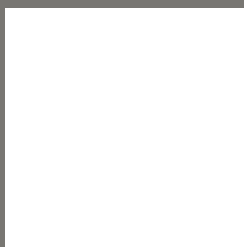
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.2614, 18.1648, 18.5160

Background



This preview shows how black text looks on a background with the XYZ color 17.2614, 18.1648, 18.5160.



This preview shows how white text looks on a background with the XYZ color 17.2614, 18.1648,

18.5160.

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

17.2614, 18.1648, 18.5160

Protanopia

17.4009, 18.2367, 18.5225

Deuteranopia

18.4719, 18.0977, 18.7393



Tritanopia

17.9731, 18.1090, 21.9501

Trichromacy



Original Color

17.2614, 18.1648, 18.5160

Protanomaly

17.4009, 18.2367, 18.5225

Deuteranomaly

17.9776, 18.0113, 18.7487

Tritanomaly

17.6976, 18.1680, 20.6632

Monochromacy



Original Color

17.2614, 18.1648, 18.5160

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.2971, 18.1632, 19.4238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2614, 18.1648, 18.5160 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, 118, 114)` looks like.

```
.text, #text, p{  
    color:rgb(120, 118, 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, 118, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 118, 114) }
```

Border

The CSS property to change the border of an element to XYZ 17.2614, 18.1648, 18.5160 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, 118, 114) }
```


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

```
.border{ border-color:rgb(120, 118, 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, 118, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 118, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 118, 114);  
box-shadow:4px 4px 4px 4px rgb(120, 118,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2614, 18.1648, 18.5160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 118, 114) }
```

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

```
.background{ background-color: rgb(120,  
118, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor