

Converting Colors

XYZ(16.0582, 16.9632, 18.5722)

Have a look what the booklet for
XYZ(16.0582, 16.9632, 18.5722)
contains.

XYZ(16.1647, 17.0767, 18.6638)	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(16.1647, 17.0767,
18.6638)**

Conversions

Conversions Part 1

Format	Color
Hex	727373
RGB	114, 115, 115
RGB Percent	45%, 45%, 45%
CMY	0.5529, 0.5490, 0.5490
CMYK	0.01, 0.00, 0.00, 0.55
HSL	180°, 0%, 45%
HSV	180°, 1%, 45%
XYZ	16.1647, 17.0767, 18.6638
YIQ	114.7010, -0.5960, -0.2120

Conversions

Conversions Part 2

Format	Color
R_{YB}	114, 115, 115
Decimal	7500659
CIE _{Lab}	48.36, -0.38, -0.14
CIE _{LCh}	48, 0.403, 200.266
Yxy	17.0767, 0.3114, 0.3290
Android (android.graphics.Color)	4285690739 (0xFF727373)
YUV	114.7010, 0.1474, -0.6148
Hunter-Lab	41.3240, -2.4931, 2.1487

Details

The XYZ color **16.1647, 17.0767, 18.6638** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.1255, 16.8949, 18.3317**, and the grayscale version is **16.2053, 17.0493, 18.5667**.

A 20% lighter version of the original color is **36.5197, 38.5344, 42.0723**, and **5.2670, 5.5778, 6.1092** is the 20% darker color. If you saturate the color by 10%, you get **14.7606, 16.3535, 18.5911**, and if you desaturate by 10%, it is **17.7579, 17.8983, 18.7461**.

Distribution



Red (45%)

Green (45%)

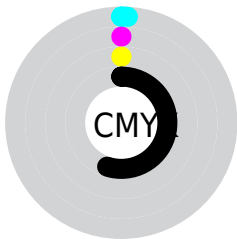
Blue (45%)



Red (45%)

Yellow (45%)

Blue (45%)



Cyan (1%)

Magenta (0%)

Yellow (0%)

Black (55%)



Cyan (55%)

Magenta (55%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1647, 17.0767, 18.6638 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 16.1647, 17.0767, 18.6638 by changing the saturation by 10% instead.

■ 16.1647, 17.0767,
18.6638

■ 16.1647, 17.0767,
18.6638

223.5630,
235.6140, 256.9470

■ 9.7324, 10.2892,
11.2533

■ 36.4390, 38.4576,
41.9943

■ 5.2828, 5.5911,
6.1211

■ 51.0117, 53.8198,
58.7514

■ 2.4506, 2.5981,
2.8489

■ 69.0286, 72.8090,
79.4610

■ 0.8704, 0.9257,
1.0180

■ 90.8550, 95.8096,
104.5418

■ 0.0000, 0.0000,
0.0000

116.8563,
123.2060, 134.4123

147.3978,

155.3826, 169.4909

182.8449,
192.7238, 210.1963

■ 16.1647, 17.0767,
18.6638

■ 16.1647, 17.0767,
18.6638

■ 14.7606, 16.3535,
18.5911

■ 17.7579, 17.8983,
18.7461

■ 13.5372, 15.7230,
18.5265

■ 19.5452, 18.8196,
18.8371

■ 12.4876, 15.1821,
18.4700

■ 21.5336, 19.8445,
18.9375

■ 11.6039, 14.7266,
18.4213

■ 23.7289, 20.9760,
19.0476

■ 10.8775, 14.3524,
18.3800

■ 26.1369, 22.2172,
19.1676

■ 10.2993, 14.0545,
18.3456

■ 28.7632, 23.5710,
19.2979

■ 9.8591, 13.8276,
18.3176

■ 31.6130, 25.0399,
19.4386

■ 9.5452, 13.6660,
18.2956

■ 34.6914, 26.6268,
19.5901

■ 9.3444, 13.5627,
18.2789

■ 38.0035, 28.3340,
19.7525

Harmonies

Analogous

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



16.1614, 17.0767, 18.5594



16.1647, 17.0767, 18.6638



16.1858, 17.0767, 18.7497

Triad

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



16.1647, 17.0767, 18.6638



16.2853, 17.0767, 18.7233



16.2428, 17.0767, 18.3949

Complementary

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



16.1647, 17.0767, 18.6638



16.1255, 16.8949, 18.3317

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.



16.2761, 17.0767, 18.4384



16.1647, 17.0767, 18.6638



16.3006, 17.0767, 18.6279

Square

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



16.1647, 17.0767, 18.6638



16.2554, 17.0767, 18.7841



16.2973, 17.0767, 18.5236



16.2064, 17.0767, 18.4044

Rectangle

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



16.1647, 17.0767, 18.6638



16.2070, 17.0767, 18.7847



16.2973, 17.0767, 18.5236



16.2548, 17.0767, 18.4038

Sweetspot

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



16.1652, 17.0774, 18.6642



29.1803, 30.6999, 33.4322



16.1101, 17.0557, 18.3629



6.9614, 7.3239, 7.9757



57.3938, 60.3827, 65.7568

Same Dimension

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



16.1652, 17.0774, 18.6642



28.9039, 30.5575, 33.4179



16.1102, 16.9673, 18.6465



4.0750, 4.3056, 4.7064



10.5303, 15.4261, 20.8802



51.3109, 75.1716, 101.7290

Inverse Universe

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



16.1255, 16.8949, 18.3317



28.8202, 30.1727, 32.7172



16.1801, 17.0044, 18.3493



4.0646, 4.2578, 4.6192



8.0842, 4.1674, 0.3858



39.3914, 20.3067, 1.8587

Previews

White Background



This preview shows how the XYZ color 16.1647, 17.0767, 18.6638 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 16.1647, 17.0767, 18.6638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

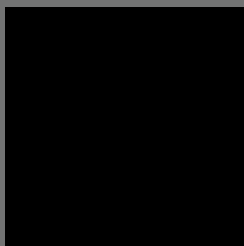
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

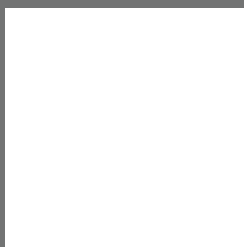
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.1647, 17.0767, 18.6638

Background



This preview shows how black text looks on a background with the XYZ color 16.1647, 17.0767, 18.6638.



This preview shows how white text looks on a background with the XYZ color 16.1647, 17.0767,

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

16.1647, 17.0767, 18.6638

Protanopia

16.4479, 17.0543, 18.6446

Deuteranopia

17.2943, 16.9898, 18.8909



Tritanopia

16.6627, 17.1095, 21.1631

Trichromacy

**Original Color**

16.1647, 17.0767, 18.6638

Protanomaly

16.3143, 16.9854, 18.6383

Deuteranomaly

16.8317, 16.9142, 18.9006

Tritanomaly

16.4777, 17.0355, 20.1890

Monochromacy

**Original Color**

16.1647, 17.0767, 18.6638

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.2955, 17.1441, 18.6699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1647, 17.0767, 18.6638 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(114, 115, 115)` looks like.

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

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(114, 115, 115) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 16.1647, 17.0767, 18.6638 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(114, 115, 115) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to XYZ 16.1647, 17.0767, 18.6638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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