

Converting Colors

XYZ(16.0036, 16.7945, 18.6058)

Have a look what the booklet for
XYZ(16.0036, 16.7945, 18.6058)
contains.

XYZ(16.0513, 16.8498, 18.6260)	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(16.0513, 16.8498,
18.6260)**

Conversions

Conversions Part 1

Format	Color
Hex	727273
RGB	114, 114, 115
RGB Percent	45%, 45%, 45%
CMY	0.5529, 0.5529, 0.5490
CMYK	0.01, 0.01, 0.00, 0.55
HSL	240°, 0%, 45%
HSV	240°, 1%, 45%
XYZ	16.0513, 16.8498, 18.6260
YIQ	114.1140, -0.3210, 0.3110

Conversions

Conversions Part 2

Format	Color
R_{YB}	114, 114, 115
Decimal	7500403
CIE Lab	48.07, 0.21, -0.56
CIE LCh	48, 0.595, 290.369
Yxy	16.8498, 0.3115, 0.3270
Android (android.graphics.Color)	4285690483 (0xFF727273)
YUV	114.1140, 0.4368, -0.1000
Hunter-Lab	41.0485, -2.0356, 1.8308

Details

The XYZ color **16.0513, 16.8498, 18.6260** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.2384, 17.1213, 18.3689**, and the grayscale version is **16.0276, 16.8623, 18.3630**.

A 20% lighter version of the original color is **36.3372, 38.1694, 42.0115**, and **5.2081, 5.4599, 6.0896** is the 20% darker color. If you saturate the color by 10%, you get **13.4331, 13.6961, 18.1555**, and if you desaturate by 10%, it is **19.0213, 20.4275, 19.1603**.

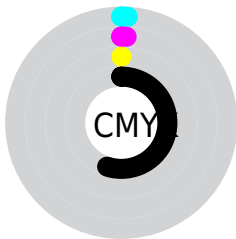
Distribution



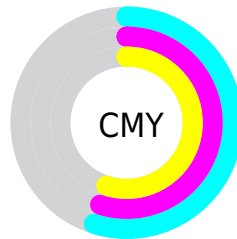
- Red (45%)
- Green (45%)
- Blue (45%)



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



- Cyan (1%)
- Magenta (1%)
- Yellow (0%)
- Black (55%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0513, 16.8498, 18.6260 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 16.0513, 16.8498, 18.6260 by changing the saturation by 10% instead.

■ 16.0513, 16.8498,
18.6260

■ 16.0513, 16.8498,
18.6260

222.9087,
234.3053, 256.7298

■ 9.6515, 10.1275,
11.2263

■ 36.2440, 38.0673,
41.9294

■ 5.2290, 5.4835,
6.1032

■ 50.7676, 53.3313,
58.6702

■ 2.4184, 2.5337,
2.8381

■ 68.7299, 72.2114,
79.3617

■ 0.8543, 0.8934,
1.0126

■ 90.4962, 95.0918,
104.4226

■ 0.0000, 0.0000,
0.0000

116.4318,
122.3570, 134.2712

146.9023,

154.3914, 169.3263

182.2727,
191.5794, 210.0063

■ 16.0513, 16.8498,
18.6260

■ 16.0513, 16.8498,
18.6260

■ 13.4331, 13.6961,
18.1555

■ 19.0213, 20.4275,
19.1603

■ 11.1524, 10.9486,
17.7454

■ 22.3541, 24.4417,
19.7594

■ 9.1958, 8.5915,
17.3936

■ 26.0616, 28.9074,
20.4260

■ 7.5486, 6.6070,
17.0973

■ 30.1553, 33.8379,
21.1619

■ 6.1951, 4.9761,
16.8539

■ 34.6456, 39.2461,
21.9691

■ 5.1180, 3.6781,
16.6601

■ 39.5430, 45.1444,
22.8495

■ 4.2981, 2.6899,
16.5126

■ 44.8573, 51.5448,
23.8048

■ 3.7142, 1.9859,
16.4075

■ 50.5982, 58.4588,
24.8368

■ 3.3413, 1.5360,
16.3403

■ 56.7748, 65.8974,
25.9470

Harmonies

Analogous

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



15.9979, 16.8498, 18.6405



16.0513, 16.8498, 18.6260



16.0951, 16.8498, 18.5364

Triad

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



16.0513, 16.8498, 18.6260



16.0814, 16.8498, 18.1191



15.9134, 16.8498, 18.2970

Complementary

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



16.0513, 16.8498, 18.6260



16.2384, 17.1213, 18.3689

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.



15.9356, 16.8498, 18.1581



16.0513, 16.8498, 18.6260



16.0326, 16.8498, 18.0557

Square

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



16.0513, 16.8498, 18.6260



16.1125, 16.8498, 18.2435



15.9792, 16.8498, 18.0699



15.9183, 16.8498, 18.4500

Rectangle

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



16.0513, 16.8498, 18.6260



16.1130, 16.8498, 18.4464



15.9792, 16.8498, 18.0699



15.9179, 16.8498, 18.2471

Sweetspot

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



16.0518, 16.8505, 18.6264



29.1803, 30.6999, 33.4322



16.1641, 17.0766, 18.6591



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.



16.0518, 16.8505, 18.6264



28.6649, 30.0791, 33.3396



16.1147, 16.8828, 18.6293



4.0453, 4.2462, 4.6966



3.5391, 1.4178, 18.6297



17.2424, 6.9014, 90.7836

Inverse Universe

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



16.1252, 16.8948, 18.3315



28.8201, 30.1727, 32.7165



16.1752, 17.0888, 18.3660



4.0646, 4.2578, 4.6192



8.0835, 4.1671, 0.3819



39.3899, 20.3061, 1.8507

Previews

White Background



This preview shows how the XYZ color 16.0513, 16.8498, 18.6260 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 16.0513, 16.8498, 18.6260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

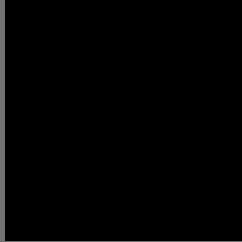
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.0513, 16.8498, 18.6260

Background



This preview shows how black text looks on a background with the XYZ color 16.0513, 16.8498, 18.6260.



This preview shows how white text looks on a background with the XYZ color 16.0513, 16.8498,

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

16.0513, 16.8498, 18.6260

Protanopia

16.2021, 16.7611, 18.6009

Deuteranopia

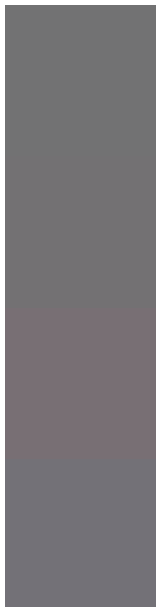
17.0405, 16.6979, 18.8479



Tritanopia

16.4882, 16.8602, 20.7977

Trichromacy



Original Color

16.0513, 16.8498, 18.6260

Protanomaly

16.0699, 16.6929, 18.5947

Deuteranomaly

16.5826, 16.6229, 18.8575

Tritanomaly

16.3051, 16.7870, 19.8336

Monochromacy



Original Color

16.0513, 16.8498, 18.6260

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.9940, 16.8269, 18.3245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0513, 16.8498, 18.6260 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, 114, 115)` looks like.

```
.text, #text, p{  
    color:rgb(114, 114, 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, 114, 115) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 16.0513, 16.8498, 18.6260 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, 114, 115) }
```

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

```
.border{ border-color:rgb(114, 114, 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, 114, 115)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to XYZ 16.0513, 16.8498, 18.6260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(114,  
114, 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