

Converting Colors

XYZ(16.4824, 16.4521, 18.8344)

Have a look what the booklet for
XYZ(16.4824, 16.4521, 18.8344)
contains.

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Color

**XYZ(16.4740, 16.4059,
18.8214)**

Conversions

Conversions Part 1

Format	Color
Hex	786E74
RGB	120, 110, 116
RGB Percent	47%, 43%, 45%
CMY	0.5294, 0.5686, 0.5451
CMYK	0.00, 0.08, 0.03, 0.53
HSL	324°, 4%, 45%
HSV	324°, 8%, 47%
XYZ	16.4740, 16.4059, 18.8214
YIQ	113.6740, 4.0340, 3.9860

Conversions

Conversions Part 2

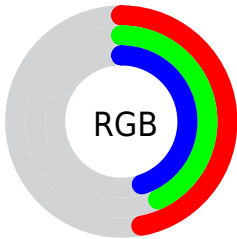
Format	Color
R_{YB}	120, 110, 116
Decimal	7892596
CIE Lab	47.50, 5.06, -1.92
CIE LCh	48, 5.412, 339.181
Yxy	16.4059, 0.3186, 0.3173
Android (android.graphics.Color)	4286082676 (0xFF786E74)
YUV	113.6740, 1.1467, 5.5479
Hunter-Lab	40.5042, 1.7178, 0.8022

Details

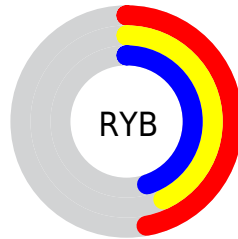
The XYZ color **16.4740, 16.4059, 18.8214** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.1847, 17.9632, 18.5346**, and the grayscale version is **15.8929, 16.7205, 18.2087**.

A 20% lighter version of the original color is **37.0015, 37.4385, 42.3219**, and **5.4385, 5.2403, 6.1937** is the 20% darker color. If you saturate the color by 10%, you get **14.9940, 13.8812, 16.9858**, and if you desaturate by 10%, it is **18.1447, 19.2886, 20.7921**.

Distribution



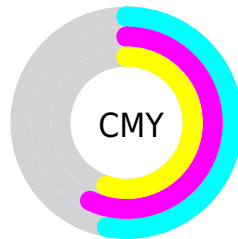
- Red (47%)
- Green (43%)
- Blue (45%)



- Red (47%)
- Yellow (43%)
- Blue (45%)



- Cyan (0%)
- Magenta (8%)
- Yellow (3%)
- Black (53%)



- Cyan (53%)
- Magenta (57%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4740, 16.4059, 18.8214 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 16.4740, 16.4059, 18.8214 by changing the saturation by 10% instead.

■ 16.4740, 16.4059,
18.8214

■ 16.4740, 16.4059,
18.8214

225.3385,
231.7251, 257.8508

■ 9.9532, 9.8118,
11.3658

■ 36.9700, 37.3014,
42.2648

■ 5.4299, 5.2744,
6.1962

■ 51.6759, 52.3717,
59.0896

■ 2.5390, 2.4091,
2.8940

■ 69.8408, 71.0362,
79.8746

■ 0.9150, 0.8306,
1.0408

■ 91.8301, 93.6792,
105.0383

■ 0.0000, 0.0000,
0.0000

118.0092,
120.6852, 134.9992

148.7433,

152.4386, 170.1759

184.3980,
189.3238, 210.9869

■ 16.4740, 16.4059,
18.8214

■ 16.4740, 16.4059,
18.8214

■ 14.9940, 13.8812,
16.9858

■ 18.1447, 19.2886,
20.7921

■ 13.6961, 11.6981,
15.2810

■ 20.0116, 22.5403,
22.9003

■ 12.5732, 9.8424,
13.7034

■ 22.0815, 26.1744,
25.1495

■ 11.6168, 8.2980,
12.2494

■ 24.3607, 30.2029,
27.5427

■ 10.8182, 7.0472,
10.9147

■ 26.8550, 34.6374,
30.0828

10.1673, 6.0709,
9.6950

29.5702, 39.4887,
32.7728

9.6533, 5.3473,
8.5853

32.5116, 44.7675,
35.6153

9.2635, 4.8515,
7.5801

35.6845, 50.4840,
38.6131

8.9633, 4.5149,
6.6668

39.0940, 56.6480,
41.7688

Harmonies

Analogous

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



16.1850, 16.4059, 19.9964



16.4740, 16.4059, 18.8214



16.5244, 16.4059, 17.4439

Triad

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



16.4740, 16.4059, 18.8214



15.4462, 16.4059, 15.3736



14.8872, 16.4059, 19.5897

Complementary

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



16.4740, 16.4059, 18.8214



16.1847, 17.9632, 18.5346

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.



14.6979, 16.4059, 18.2893



16.4740, 16.4059, 18.8214



15.0162, 16.4059, 15.8874

Square

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



16.4740, 16.4059, 18.8214



15.9244, 16.4059, 15.4997



14.7446, 16.4059, 16.9382



15.2669, 16.4059, 20.4556

Rectangle

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



16.4740, 16.4059, 18.8214



16.4149, 16.4059, 16.6025



14.7446, 16.4059, 16.9382



14.7996, 16.4059, 19.1863

Sweetspot

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



16.4745, 16.4066, 18.8218



30.7812, 31.9656, 35.2530



15.9061, 16.0862, 20.0360



7.3056, 7.5941, 8.3672



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.



16.4745, 16.4066, 18.8218



28.4517, 27.9582, 32.4678



16.1914, 16.2934, 17.3313



4.0898, 4.0516, 4.6705



9.7189, 4.8637, 7.0766



45.9311, 23.0288, 31.4969

Inverse Universe

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



16.4745, 16.4066, 18.8218



28.4517, 27.9582, 32.4678



16.4771, 18.0801, 20.0743



4.0898, 4.0516, 4.6705



9.7189, 4.8637, 7.0766



45.9311, 23.0288, 31.4969

Previews

White Background



This preview shows how the XYZ color 16.4740, 16.4059, 18.8214 looks on a white background.

Color Contrast Check

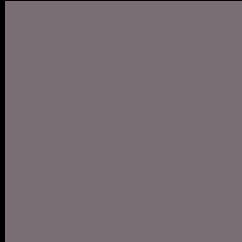
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4740, 16.4059, 18.8214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

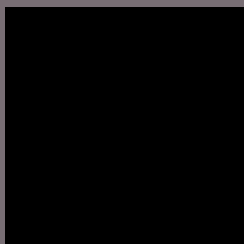
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4740, 16.4059, 18.8214

Background



This preview shows how black text looks on a background with the XYZ color 16.4740, 16.4059, 18.8214.



This preview shows how white text looks on a background with the XYZ color 16.4740, 16.4059,

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

16.4740, 16.4059, 18.8214

Protanopia

15.8151, 16.3834, 19.1584

Deuteranopia

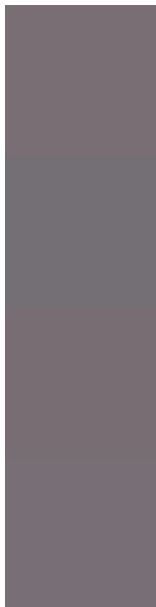
16.6471, 16.3358, 18.7987



Tritanopia

16.5917, 16.4529, 19.4408

Trichromacy



Original Color

16.4740, 16.4059, 18.8214

Protanomaly

16.0978, 16.3662, 19.1402

Deuteranomaly

16.5062, 16.2632, 18.7921

Tritanomaly

16.5325, 16.4293, 19.1294

Monochromacy



Original Color

16.4740, 16.4059, 18.8214

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.2021, 16.7611, 18.6009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4740, 16.4059, 18.8214 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, 110, 116)` looks like.

```
.text, #text, p{  
    color:rgb(120, 110, 116)  
}
```

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, 110, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 110, 116) }
```

Border

The CSS property to change the border of an element to XYZ 16.4740, 16.4059, 18.8214 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, 110, 116) }
```


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

```
.border{ border-color:rgb(120, 110, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 110, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 110, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 110, 116);  
box-shadow:4px 4px 4px 4px rgb(120, 110,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4740, 16.4059, 18.8214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 110, 116) }
```

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

```
.background{ background-color: rgb(120,  
110, 116) }
```

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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