

Converting Colors

XYZ(16.8785, 18.2660, 16.9106)

Have a look what the booklet for
XYZ(16.8785, 18.2660, 16.9106)
contains.

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Color

**XYZ(16.7748, 18.1279,
16.8023)**

Conversions

Conversions Part 1

Format	Color
Hex	76776C
RGB	118, 119, 108
RGB Percent	46%, 47%, 42%
CMY	0.5373, 0.5333, 0.5765
CMYK	0.01, 0.00, 0.09, 0.53
HSL	65°, 5%, 45%
HSV	65°, 9%, 47%
XYZ	16.7748, 18.1279, 16.8023
YIQ	117.4470, 2.9350, -3.6330

Conversions

Conversions Part 2

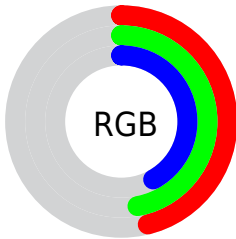
Format	Color
R_{YB}	108, 119, 109
Decimal	7763820
CIE Lab	49.65, -2.51, 5.92
CIE LCh	50, 6.428, 113.027
Yxy	18.1279, 0.3244, 0.3506
Android (android.graphics.Color)	4285953900 (0xFF76776C)
YUV	117.4470, -4.6574, 0.4850
Hunter-Lab	42.5769, -4.1826, 6.4059

Details

The XYZ color **16.7748, 18.1279, 16.8023** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.9998, 15.3088, 19.6180**, and the grayscale version is **17.0611, 17.9496, 19.5471**.

A 20% lighter version of the original color is **37.3985, 40.1751, 38.5843**, and **5.6213, 6.1455, 5.3048** is the 20% darker color. If you saturate the color by 10%, you get **16.0380, 17.8169, 13.6844**, and if you desaturate by 10%, it is **17.6008, 18.4760, 20.3765**.

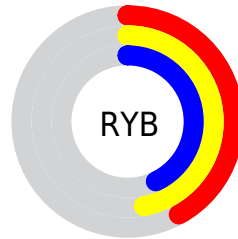
Distribution



Red (46%)

Green (47%)

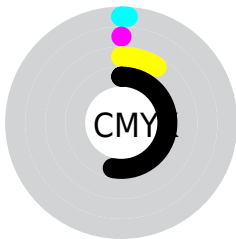
Blue (42%)



Red (42%)

Yellow (47%)

Blue (43%)

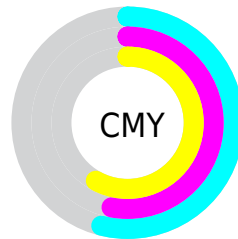


Cyan (1%)

Magenta (0%)

Yellow (9%)

Black (53%)



Cyan (54%)

Magenta (53%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7748, 18.1279, 16.8023 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 16.7748, 18.1279, 16.8023 by changing the saturation by 10% instead.

■ 16.7748, 18.1279,
16.8023

■ 16.7748, 18.1279,
16.8023

227.0529,
241.5910, 246.0358

■ 10.1684, 11.0419,
9.9332

■ 37.4849, 40.2551,
38.7715

■ 5.5739, 6.0950,
5.2496

■ 52.3192, 56.0651,
54.7087

■ 2.6259, 2.9029,
2.3332

■ 70.6269, 75.5519,
74.5057

■ 0.9592, 1.0813,
0.7497

■ 92.7733, 99.0998,
98.5809

■ 0.0000, 0.0000,
0.0000

119.1237,
127.0933, 127.3530

150.0435,

159.9167, 161.2405

185.8982,
197.9545, 200.6619

■ 16.7748, 18.1279,
16.8023

■ 16.7748, 18.1279,
16.8023

■ 16.0380, 17.8169,
13.6844

■ 17.6008, 18.4760,
20.3765

■ 15.3854, 17.5391,
11.0032

■ 18.5177, 18.8601,
24.4231

■ 14.8137, 17.2939,
8.7396

■ 19.5292, 19.2822,
28.9588

■ 14.3191, 17.0797,
6.8726

■ 20.6383, 19.7435,
33.9993

■ 13.8970, 16.8947,
5.3792

■ 21.8478, 20.2452,
39.5595

■ 13.5427, 16.7371,
4.2343

■ 23.1603, 20.7883,
45.6536

■ 13.2509, 16.6046,
3.4094

■ 24.5786, 21.3739,
52.2955

■ 13.0153, 16.4948,
2.8718

■ 26.1051, 22.0030,
59.4983

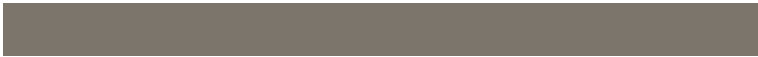
■ 12.8158, 16.3996,
2.5158

■ 27.7423, 22.6766,
67.2748

Harmonies

Analogous

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



17.3730, 18.1279, 16.5849



16.7748, 18.1279, 16.8023



16.3089, 18.1279, 17.7840

Triad

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



16.7748, 18.1279, 16.8023



16.5334, 18.1279, 22.5485



18.4220, 18.1279, 20.1493

Complementary

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



16.7748, 18.1279, 16.8023



14.9998, 15.3088, 19.6180

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.



18.1852, 18.1279, 21.8306



16.7748, 18.1279, 16.8023



17.0879, 18.1279, 23.2678

Square

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



16.7748, 18.1279, 16.8023



16.1718, 18.1279, 21.0830



17.6934, 18.1279, 22.9976



18.3334, 18.1279, 18.4518

Rectangle

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



16.7748, 18.1279, 16.8023



16.1312, 18.1279, 18.7727



17.6934, 18.1279, 22.9976



18.3776, 18.1279, 20.7362

Sweetspot

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



16.7753, 18.1287, 16.8027



30.9311, 32.8377, 33.9366



15.7749, 15.9247, 16.4300



7.3049, 7.7715, 7.9321



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.



16.7753, 18.1287, 16.8027



29.7571, 32.3430, 28.8864



16.0608, 17.7604, 16.7693



3.9354, 4.2501, 3.9552



13.5953, 17.4130, 2.6445



65.8735, 84.6608, 12.8693

Inverse Universe

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



14.9998, 15.3088, 19.6180



25.9294, 26.2637, 34.9559



15.6867, 15.6629, 19.6502



3.5287, 3.6044, 4.6000



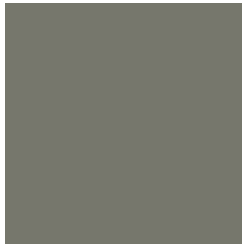
3.6777, 1.4873, 18.6358



17.5878, 7.0753, 90.7990

Previews

White Background



This preview shows how the XYZ color 16.7748, 18.1279, 16.8023 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 16.7748, 18.1279, 16.8023 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

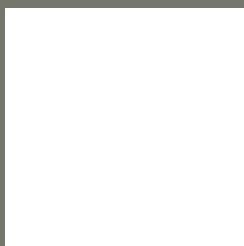
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7748, 18.1279, 16.8023

Background



This preview shows how black text looks on a background with the XYZ color 16.7748, 18.1279, 16.8023.



This preview shows how white text looks on a background with the XYZ color 16.7748, 18.1279,

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

16.7748, 18.1279, 16.8023

Protanopia

17.3007, 18.2294, 16.5167

Deuteranopia

18.4505, 18.1253, 16.9941



Tritanopia

17.8964, 18.0621, 22.2818

Trichromacy



Original Color

16.7748, 18.1279, 16.8023

Protanomaly

17.0174, 18.0834, 16.5034

Deuteranomaly

17.9078, 18.1841, 17.0340

Tritanomaly

17.4368, 18.0476, 20.0173

Monochromacy



Original Color

16.7748, 18.1279, 16.8023

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.8518, 17.9537, 18.4968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7748, 18.1279, 16.8023 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(118, 119, 108)` looks like.

```
.text, #text, p{  
    color:rgb(118, 119, 108)  
}
```

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(118, 119, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 119, 108) }
```

Border

The CSS property to change the border of an element to XYZ 16.7748, 18.1279, 16.8023 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(118, 119, 108) }
```


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

```
.border{ border-color:rgb(118, 119, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 119, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 119, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 119, 108);  
box-shadow:4px 4px 4px 4px rgb(118, 119,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7748, 18.1279, 16.8023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 119, 108) }
```

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

```
.background{ background-color: rgb(118,  
119, 108) }
```

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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