

Converting Colors

XYZ(16.8203, 18.1436, 16.5283)

Have a look what the booklet for
XYZ(16.8203, 18.1436, 16.5283)
contains.

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Color

**XYZ(16.8584, 18.1771,
16.5299)**

Conversions

Conversions Part 1

Format	Color
Hex	77776B
RGB	119, 119, 107
RGB Percent	47%, 47%, 42%
CMY	0.5333, 0.5333, 0.5804
CMYK	0.00, 0.00, 0.10, 0.53
HSL	60°, 5%, 44%
HSV	60°, 10%, 47%
XYZ	16.8584, 18.1771, 16.5299
YIQ	117.6320, 3.8520, -3.7320

Conversions

Conversions Part 2

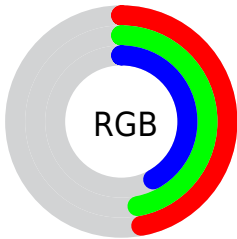
Format	Color
R_{YB}	107, 119, 107
Decimal	7829355
CIE _{Lab}	49.71, -2.31, 6.60
CIE _{LCh}	50, 6.992, 109.249
Yxy	18.1771, 0.3269, 0.3525
Android (android.graphics.Color)	4286019435 (0xFF77776B)
YUV	117.6320, -5.2416, 1.1997
Hunter-Lab	42.6346, -4.0288, 6.8569

Details

The XYZ color **16.8584, 18.1771, 16.5299** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.6515, 14.9736, 19.5717**, and the grayscale version is **17.1203, 18.0119, 19.6149**.

A 20% lighter version of the original color is **37.5291, 40.2524, 38.1392**, and **5.6674, 6.1723, 5.1676** is the 20% darker color. If you saturate the color by 10%, you get **16.2748, 17.9442, 13.4563**, and if you desaturate by 10%, it is **17.5292, 18.4460, 20.0582**.

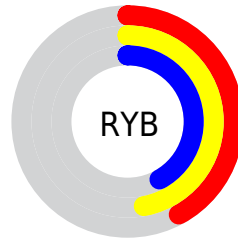
Distribution



Red (47%)

Green (47%)

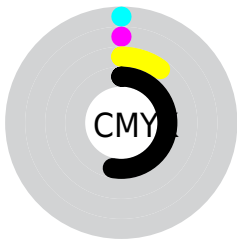
Blue (42%)



Red (42%)

Yellow (47%)

Blue (42%)

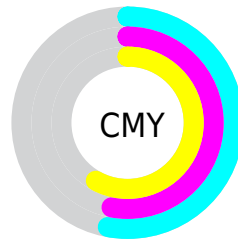


Cyan (0%)

Magenta (0%)

Yellow (10%)

Black (53%)



Cyan (53%)

Magenta (53%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8584, 18.1771, 16.5299 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 16.8584, 18.1771, 16.5299 by changing the saturation by 10% instead.

■ 16.8584, 18.1771,
16.5299

■ 16.8584, 18.1771,
16.5299

227.5272,
241.8674, 244.4001

■ 10.2283, 11.0772,
9.7415

■ 37.6277, 40.3389,
38.2952

■ 5.6140, 6.1188,
5.1245

■ 52.4976, 56.1695,
54.1092

■ 2.6502, 2.9174,
2.2605

■ 70.8447, 75.6793,
73.7689

■ 0.9716, 1.0888,
0.7090

■ 93.0345, 99.2524,
97.6926

■ 0.0000, 0.0000,
0.0000

119.4323,
127.2734, 126.2991

150.4035,

160.1266, 160.0068

186.3133,
198.1965, 199.2343

■ 16.8584, 18.1771,
16.5299

■ 16.8584, 18.1771,
16.5299

■ 16.2748, 17.9442,
13.4563

■ 17.5292, 18.4460,
20.0582

■ 15.7734, 17.7436,
10.8177

■ 18.2890, 18.7500,
24.0574

■ 15.3510, 17.5746,
8.5950

■ 19.1414, 19.0910,
28.5444

■ 15.0035, 17.4356,
6.7669

■ 20.0893, 19.4702,
33.5347

■ 14.7266, 17.3248,
5.3103

■ 21.1358, 19.8888,
39.0434

■ 14.5154, 17.2403,
4.1998

■ 22.2834, 20.3479,
45.0849

■ 14.3645, 17.1799,
3.4068

■ 23.5347, 20.8485,
51.6728

■ 14.2675, 17.1410,
2.8980

■ 24.8924, 21.3916,
58.8204

■ 14.2020, 17.1148,
2.5550

■ 26.3588, 21.9782,
66.5407

Harmonies

Analogous

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



17.5166, 18.1771, 16.4056



16.8584, 18.1771, 16.5299



16.3255, 18.1771, 17.4948

Triad

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



16.8584, 18.1771, 16.5299



16.4550, 18.1771, 22.6995



18.5646, 18.1771, 20.4832

Complementary

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



16.8584, 18.1771, 16.5299



14.6515, 14.9736, 19.5717

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.



18.2643, 18.1771, 22.2815



16.8584, 18.1771, 16.5299



17.0392, 18.1771, 23.6145

Square

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



16.8584, 18.1771, 16.5299



16.0968, 18.1771, 21.0246



17.7020, 18.1771, 23.4568



18.5131, 18.1771, 18.6081

Rectangle

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



16.8584, 18.1771, 16.5299



16.1077, 18.1771, 18.5216



17.7020, 18.1771, 23.4568



18.5011, 18.1771, 21.1187

Sweetspot

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



16.8589, 18.1779, 16.5303



31.0127, 32.8798, 33.9405



15.5198, 15.4993, 16.0838



7.3288, 7.7838, 7.9332



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.



16.8589, 18.1779, 16.5303



29.9428, 32.4517, 28.3090



16.0614, 17.7668, 16.4930



3.9666, 4.2662, 3.9567



15.0880, 18.1825, 2.7144



73.5250, 88.6053, 13.2274

Inverse Universe

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



14.6515, 14.9736, 19.5717



25.1900, 25.5523, 34.8575



15.3980, 15.3584, 19.6066



3.5007, 3.5899, 4.5987



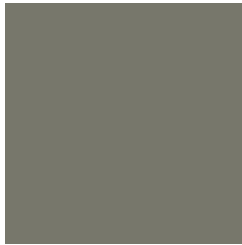
3.5380, 1.4152, 18.6293



17.2403, 6.8962, 90.7827

Previews

White Background



This preview shows how the XYZ color 16.8584, 18.1771, 16.5299 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 16.8584, 18.1771, 16.5299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

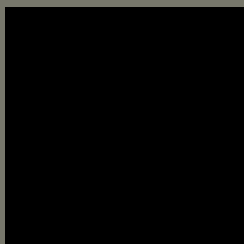
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.8584, 18.1771, 16.5299

Background



This preview shows how black text looks on a background with the XYZ color 16.8584, 18.1771, 16.5299.



This preview shows how white text looks on a background with the XYZ color 16.8584, 18.1771,

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

16.8584, 18.1771, 16.5299

Protanopia

17.2483, 18.2084, 16.2412

Deuteranopia

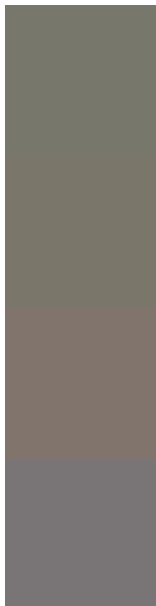
18.3970, 18.1039, 16.7121



Tritanopia

17.9731, 18.1090, 21.9501

Trichromacy



Original Color

16.8584, 18.1771, 16.5299

Protanomaly

17.1060, 18.1350, 16.2345

Deuteranomaly

17.8543, 18.1627, 16.7521

Tritanomaly

17.5165, 18.0955, 19.7091

Monochromacy



Original Color

16.8584, 18.1771, 16.5299

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.9869, 18.0233, 18.5031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8584, 18.1771, 16.5299 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(119, 119, 107)` looks like.

```
.text, #text, p{  
    color:rgb(119, 119, 107)  
}
```

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(119, 119, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 119, 107) }
```

Border

The CSS property to change the border of an element to XYZ 16.8584, 18.1771, 16.5299 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(119, 119, 107) }
```


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

```
.border{ border-color:rgb(119, 119, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 119, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 119, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 119, 107);  
box-shadow:4px 4px 4px 4px rgb(119, 119,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8584, 18.1771, 16.5299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 119, 107) }
```

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

```
.background{ background-color: rgb(119,  
119, 107) }
```

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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