

Converting Colors

XYZ(16.9236, 18.9784, 18.1594)

Have a look what the booklet for
XYZ(16.9236, 18.9784, 18.1594)
contains.

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Color

**XYZ(16.8176, 18.8465,
18.0806)**

Conversions

Conversions Part 1

Format	Color
Hex	717B70
RGB	113, 123, 112
RGB Percent	44%, 48%, 44%
CMY	0.5569, 0.5176, 0.5608
CMYK	0.08, 0.00, 0.09, 0.52
HSL	115°, 5%, 46%
HSV	115°, 9%, 48%
XYZ	16.8176, 18.8465, 18.0806
YIQ	118.7560, -2.4290, -5.5410

Conversions

Conversions Part 2

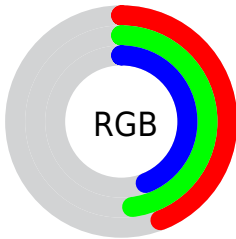
Format	Color
R_{YB}	112, 123, 122
Decimal	7437168
CIE _{Lab}	50.51, -5.97, 4.74
CIE _{LCh}	51, 7.619, 141.549
Yxy	18.8465, 0.3129, 0.3507
Android (android.graphics.Color)	4285627248 (0xFF717B70)
YUV	118.7560, -3.3307, -5.0480
Hunter-Lab	43.4126, -6.8228, 5.6955

Details

The XYZ color **16.8176, 18.8465, 18.0806** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.3962, 17.1566, 21.1346**, and the grayscale version is **17.4686, 18.3784, 20.0140**.

A 20% lighter version of the original color is **37.5479, 41.3396, 41.1223**, and **5.5542, 6.3915, 5.7914** is the 20% darker color. If you saturate the color by 10%, you get **14.8279, 17.8951, 14.6534**, and if you desaturate by 10%, it is **19.0793, 19.9283, 22.0098**.

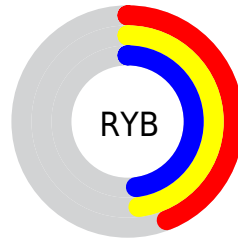
Distribution



Red (44%)

Green (48%)

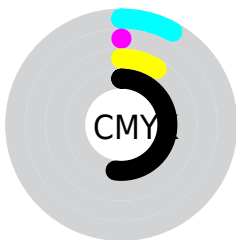
Blue (44%)



Red (44%)

Yellow (48%)

Blue (48%)

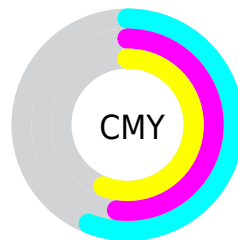


Cyan (8%)

Magenta (0%)

Yellow (9%)

Black (52%)



Cyan (56%)

Magenta (52%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8176, 18.8465, 18.0806 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 16.8176, 18.8465, 18.0806 by changing the saturation by 10% instead.

■ 16.8176, 18.8465,
18.0806

■ 16.8176, 18.8465,
18.0806

227.2959,
245.6000, 253.5763

■ 10.1990, 11.5594,
10.8378

■ 37.5580, 41.4746,
40.9904

■ 5.5944, 6.4444,
5.8451

■ 52.4105, 57.5843,
57.4945

■ 2.6384, 3.1172,
2.6839

■ 70.7384, 77.4038,
77.9228

■ 0.9655, 1.1932,
0.9353

■ 92.9071, 101.3173,
102.6939

■ 0.0000, 0.0561,
0.0000

119.2818,
129.7093, 132.2262

■ 0.0000, 0.0000,
0.0000

150.2279,

162.9641, 166.9384

186.1108,
201.4663, 207.2489

■ 16.8176, 18.8465,
18.0806

■ 16.8176, 18.8465,
18.0806

■ 14.8279, 17.8951,
14.6534

■ 19.0793, 19.9283,
22.0098

■ 13.0984, 17.0670,
11.7067

■ 21.6210, 21.1428,
26.4588

■ 11.6188, 16.3577,
9.2196

■ 24.4524, 22.4950,
31.4459

■ 10.3776, 15.7619,
7.1687

■ 27.5823, 23.9891,
36.9884

■ 9.3621, 15.2737,
5.5291

■ 31.0191, 25.6291,
43.1027

■ 8.5587, 14.8865,
4.2729

■ 34.7709, 27.4187,
49.8043

■ 7.9523, 14.5932,
3.3690

■ 38.8453, 29.3617,
57.1085

■ 7.5256, 14.3859,
2.7814

■ 43.2500, 31.4616,
65.0299

■ 7.2470, 14.2503,
2.4059

■ 47.9920, 33.7219,
73.5824

Harmonies

Analogous

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



17.3935, 18.8465, 16.9463



16.8176, 18.8465, 18.0806



16.5371, 18.8465, 19.9253

Triad

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



16.8176, 18.8465, 18.0806



17.7039, 18.8465, 24.8385



19.2746, 18.8465, 19.0546

Complementary

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



16.8176, 18.8465, 18.0806



17.3962, 17.1566, 21.1346

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.



19.3633, 18.8465, 21.1277



16.8176, 18.8465, 18.0806



18.4428, 18.8465, 24.5652

Square

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



16.8176, 18.8465, 18.0806



17.0394, 18.8465, 23.8937



19.0550, 18.8465, 23.1709



18.8160, 18.8465, 17.4810

Rectangle

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



16.8176, 18.8465, 18.0806



16.5498, 18.8465, 21.3505



19.0550, 18.8465, 23.1709



19.3492, 18.8465, 19.7125

Sweetspot

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



16.8181, 18.8473, 18.0810



32.4325, 34.8568, 36.3960



18.0411, 19.2763, 18.0994



7.5684, 8.1759, 8.4503



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



16.8181, 18.8473, 18.0810



29.2439, 33.3321, 30.8705



16.9414, 18.8818, 19.3975



3.9816, 4.4658, 4.2766



7.4699, 14.7281, 2.4491



35.3036, 70.0851, 11.6671

Inverse Universe

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



17.3962, 17.1566, 21.1346



30.5284, 29.5749, 37.6561



17.2690, 17.1221, 19.7225



4.1203, 4.0599, 5.0097



10.5863, 5.0302, 19.7983



50.1222, 23.8010, 94.4221

Previews

White Background



This preview shows how the XYZ color 16.8176, 18.8465, 18.0806 looks on a white background.

Color Contrast Check

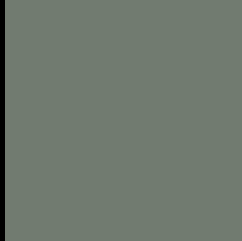
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 16.8176, 18.8465, 18.0806 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

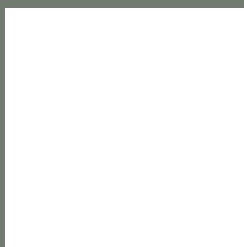
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8176, 18.8465, 18.0806

Background



This preview shows how black text looks on a background with the XYZ color 16.8176, 18.8465, 18.0806.

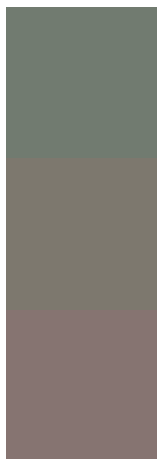


This preview shows how white text looks on a background with the XYZ color 16.8176, 18.8465,

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

16.8176, 18.8465, 18.0806

Protanopia

17.9884, 18.9187, 17.4554

Deuteranopia

19.0575, 18.7514, 18.2377



Tritanopia

17.9482, 18.7577, 23.7937

Trichromacy



Original Color

16.8176, 18.8465, 18.0806

Protanomaly

17.5918, 18.8874, 17.7574

Deuteranomaly

18.1816, 18.8215, 18.2974

Tritanomaly

17.4828, 18.7496, 21.4365

Monochromacy



Original Color

16.8176, 18.8465, 18.0806

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.2050, 18.4758, 19.1824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8176, 18.8465, 18.0806 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(113, 123, 112)` looks like.

```
.text, #text, p{  
    color:rgb(113, 123, 112)  
}
```

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(113, 123, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 123, 112) }
```

Border

The CSS property to change the border of an element to XYZ 16.8176, 18.8465, 18.0806 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(113, 123, 112) }
```


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

```
.border{ border-color:rgb(113, 123, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 123, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 123, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 123, 112);  
box-shadow:4px 4px 4px 4px rgb(113, 123,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8176, 18.8465, 18.0806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 123, 112) }
```

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

```
.background{ background-color: rgb(113,  
123, 112) }
```

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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