

Converting Colors

XYZ(16.0676, 18.5932, 18.3136)

Have a look what the booklet for
XYZ(16.0676, 18.5932, 18.3136)
contains.

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Color

**XYZ(16.1321, 18.6717,
18.3765)**

Conversions

Conversions Part 1

Format	Color
Hex	6A7C71
RGB	106, 124, 113
RGB Percent	42%, 49%, 44%
CMY	0.5843, 0.5137, 0.5569
CMYK	0.15, 0.00, 0.09, 0.51
HSL	143°, 8%, 45%
HSV	143°, 15%, 49%
XYZ	16.1321, 18.6717, 18.3765
YIQ	117.3640, -7.1970, -7.2370

Conversions

Conversions Part 2

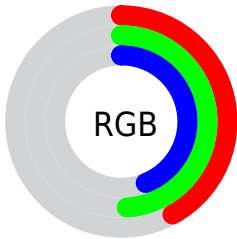
Format	Color
RYB	106, 119, 124
Decimal	6978673
CIELab	50.30, -8.94, 3.79
CIElCh	50, 9.713, 157.059
Yxy	18.6717, 0.3033, 0.3511
Android (android.graphics.Color)	4285168753 (0xFF6A7C71)
YUV	117.3640, -2.1515, -9.9662
Hunter-Lab	43.2108, -8.9785, 5.0329

Details

The XYZ color **16.1321, 18.6717, 18.3765** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.6777, 15.8779, 19.0161**, and the grayscale version is **17.0299, 17.9168, 19.5114**.

A 20% lighter version of the original color is **36.4183, 41.3290, 41.6552**, and **5.2738, 6.3436, 5.9475** is the 20% darker color. If you saturate the color by 10%, you get **14.3548, 17.8032, 16.1585**, and if you desaturate by 10%, it is **18.1592, 19.6659, 20.7930**.

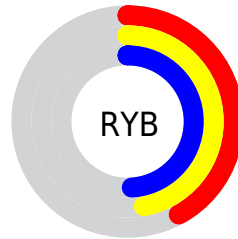
Distribution



Red (42%)

Green (49%)

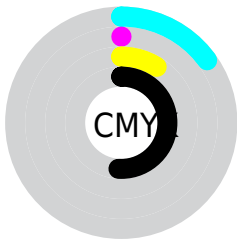
Blue (44%)



Red (42%)

Yellow (47%)

Blue (49%)

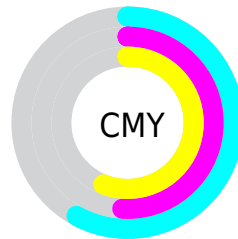


Cyan (15%)

Magenta (0%)

Yellow (9%)

Black (51%)



Cyan (58%)

Magenta (51%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1321, 18.6717, 18.3765 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 16.1321, 18.6717, 18.3765 by changing the saturation by 10% instead.

■ 16.1321, 18.6717,
18.3765

■ 16.1321, 18.6717,
18.3765

223.3751,
244.6303, 255.2917

■ 9.7091, 11.4333,
11.0484

■ 36.3830, 41.1786,
41.5004

■ 5.2673, 6.3591,
5.9848

■ 50.9416, 57.2159,
58.1333

■ 2.4413, 3.0646,
2.7672

■ 68.9428, 76.9550,
78.7048

■ 0.8658, 1.1656,
0.9770

■ 90.7519, 100.7802,
103.6336

■ 0.0000, 0.0333,
0.0000

116.7344,
129.0759, 133.3382

■ 0.0000, 0.0000,
0.0000

147.2555,

162.2266, 168.2370

182.6806,
200.6166, 208.7487

■ 16.1321, 18.6717,
18.3765

■ 16.1321, 18.6717,
18.3765

■ 14.3548, 17.8032,
16.1585

■ 18.1592, 19.6659,
20.7930

■ 12.8158, 17.0531,
14.1328

■ 20.4440, 20.7881,
23.4115

■ 11.5049, 16.4166,
12.2946

■ 22.9958, 22.0437,
26.2371

■ 10.4106, 15.8880,
10.6385

■ 25.8231, 23.4370,
29.2744

■ 9.5204, 15.4610,
9.1587

■ 28.9341, 24.9719,
32.5275

■ 8.8204, 15.1283,
7.8492

■ 32.3364, 26.6525,
36.0009

■ 8.2948, 14.8822,
6.7037

■ 36.0375, 28.4825,
39.6984

■ 7.9214, 14.7112,
5.7152

■ 40.0446, 30.4655,
43.6242

■ 7.7460, 14.6312,
5.2359

■ 44.3646, 32.6050,
47.7821

Harmonies

Analogous

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



16.6786, 18.6717, 16.4688



16.1321, 18.6717, 18.3765



16.0110, 18.6717, 20.9739

Triad

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



16.1321, 18.6717, 18.3765



17.9702, 18.6717, 25.9192



19.2304, 18.6717, 17.3644

Complementary

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



16.1321, 18.6717, 18.3765



16.6777, 15.8779, 19.0161

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.



19.6039, 18.6717, 19.7000



16.1321, 18.6717, 18.3765



18.8599, 18.6717, 24.7526

Square

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



16.1321, 18.6717, 18.3765



17.0509, 18.6717, 25.4859



19.4660, 18.6717, 22.4179



18.4616, 18.6717, 15.9215

Rectangle

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



16.1321, 18.6717, 18.3765



16.1837, 18.6717, 22.7801



19.4660, 18.6717, 22.4179



19.4076, 18.6717, 18.0628

Sweetspot

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



16.1326, 18.6725, 18.3769



32.1150, 34.6845, 36.7765



17.1594, 19.2456, 16.4462



7.5051, 8.1400, 8.5931



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.



16.1326, 18.6725, 18.3769



27.4413, 32.3942, 31.1757



16.6587, 18.8829, 21.1475



4.0094, 4.4734, 4.5834



7.8730, 14.8729, 5.3161



37.1644, 70.7888, 23.3014

Inverse Universe

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



16.6777, 15.8779, 19.0161



28.5690, 26.6119, 32.4978



16.1788, 15.6783, 16.3890



4.0916, 4.0523, 4.6798



9.7673, 4.8831, 7.3315



46.1644, 23.1221, 32.7256

Previews

White Background



This preview shows how the XYZ color 16.1321, 18.6717, 18.3765 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 16.1321, 18.6717, 18.3765 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 16.1321, 18.6717, 18.3765

Background



This preview shows how black text looks on a background with the XYZ color 16.1321, 18.6717, 18.3765.

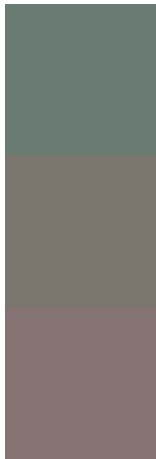


This preview shows how white text looks on a background with the XYZ color 16.1321, 18.6717,

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

16.1321, 18.6717, 18.3765

Protanopia

17.7235, 18.6045, 17.4088

Deuteranopia

18.8981, 18.4858, 18.7917



Tritanopia

17.2408, 18.5646, 24.1474

Trichromacy



Original Color

16.1321, 18.6717, 18.3765

Protanomaly

17.0427, 18.6043, 17.7317

Deuteranomaly

17.6841, 18.3827, 18.5358

Tritanomaly

16.7820, 18.5624, 21.7672

Monochromacy



Original Color

16.1321, 18.6717, 18.3765

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.6789, 18.2046, 19.1578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1321, 18.6717, 18.3765 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(106, 124, 113)` looks like.

```
.text, #text, p{  
    color:rgb(106, 124, 113)  
}
```

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(106, 124, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 124, 113) }
```

Border

The CSS property to change the border of an element to XYZ 16.1321, 18.6717, 18.3765 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(106, 124, 113) }
```


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

```
.border{ border-color:rgb(106, 124, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 124, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 124, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 124, 113);  
box-shadow:4px 4px 4px 4px rgb(106, 124,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1321, 18.6717, 18.3765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 124, 113) }
```

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

```
.background{ background-color: rgb(106,  
124, 113) }
```

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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