

Converting Colors

XYZ(16.4044, 18.4187, 19.1624)

Have a look what the booklet for
XYZ(16.4044, 18.4187, 19.1624)
contains.

XYZ(16.4186, 18.4312, 19.2152)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.4186, 18.4312,
19.2152)**

Conversions

Conversions Part 1

Format	Color
Hex	6D7A74
RGB	109, 122, 116
RGB Percent	43%, 48%, 45%
CMY	0.5725, 0.5216, 0.5451
CMYK	0.11, 0.00, 0.05, 0.52
HSL	152°, 6%, 45%
HSV	152°, 11%, 48%
XYZ	16.4186, 18.4312, 19.2152
YIQ	117.4290, -5.8220, -4.6220

Conversions

Conversions Part 2

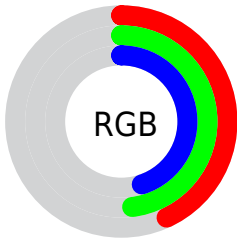
Format	Color
R_{YB}	109, 117, 122
Decimal	7174772
CIE Lab	50.01, -6.08, 1.64
CIE LCh	50, 6.300, 164.943
Yxy	18.4312, 0.3037, 0.3409
Android (android.graphics.Color)	4285364852 (0xFF6D7A74)
YUV	117.4290, -0.7045, -7.3922
Hunter-Lab	42.9316, -6.8653, 3.5152

Details

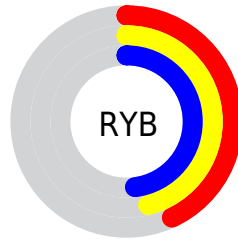
The XYZ color **16.4186, 18.4312, 19.2152** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.5899, 16.3132, 18.4949**, and the grayscale version is **17.0455, 17.9332, 19.5293**.

A 20% lighter version of the original color is **36.9019, 40.6763, 42.9522**, and **5.3504, 6.1745, 6.3787** is the 20% darker color. If you saturate the color by 10%, you get **14.7030, 17.5840, 17.4765**, and if you desaturate by 10%, it is **18.3634, 19.3953, 21.0691**.

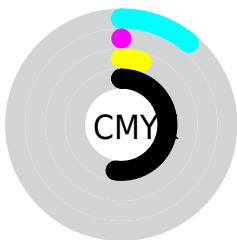
Distribution



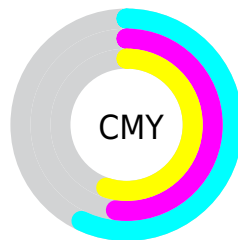
- Red (43%)
- Green (48%)
- Blue (45%)



- Red (43%)
- Yellow (46%)
- Blue (48%)



- Cyan (11%)
- Magenta (0%)
- Yellow (5%)
- Black (52%)



- Cyan (57%)
- Magenta (52%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4186, 18.4312, 19.2152 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 16.4186, 18.4312, 19.2152 by changing the saturation by 10% instead.

■ 16.4186, 18.4312,
19.2152

■ 16.4186, 18.4312,
19.2152

225.0214,
243.2904, 260.0964

■ 9.9136, 11.2600,
11.6475

■ 36.8750, 40.7707,
42.9390

■ 5.4035, 6.2420,
6.3845

■ 51.5571, 56.7078,
59.9321

■ 2.5231, 2.9928,
3.0077

■ 69.6956, 76.3357,
80.9041

■ 0.9069, 1.1280,
1.0986

■ 91.6558, 100.0388,
106.2735

■ 0.0000, 0.0017,
0.0000

117.8032,
128.2014, 136.4590

■ 0.0000, 0.0000,
0.0000

148.5030,

161.2079, 171.8789

184.1206,
199.4428, 212.9519

■ 16.4186, 18.4312,
19.2152

■ 16.4186, 18.4312,
19.2152

■ 14.7030, 17.5840,
17.4765

■ 18.3634, 19.3953,
21.0691

■ 13.2063, 16.8469,
15.8496

■ 20.5443, 20.4782,
23.0392

■ 11.9195, 16.2157,
14.3324

■ 22.9698, 21.6849,
25.1279

■ 10.8323, 15.6853,
12.9228

■ 25.6474, 23.0191,
27.3373

■ 9.9337, 15.2500,
11.6180

■ 28.5843, 24.4846,
29.6694

■ 9.2114, 14.9036,
10.4156

■ 31.7875, 26.0848,
32.1261

■ 8.6518, 14.6389,
9.3128

■ 35.2637, 27.8233,
34.7094

■ 8.2388, 14.4478,
8.3065

■ 39.0193, 29.7033,
37.4211

■ 7.9339, 14.3093,
7.4492

■ 43.0605, 31.7279,
40.2629

Harmonies

Analogous

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



16.7092, 18.4312, 17.8011



16.4186, 18.4312, 19.2152



16.4180, 18.4312, 20.9400

Triad

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



16.4186, 18.4312, 19.2152



17.8200, 18.4312, 23.4632



18.3548, 18.4312, 17.8054

Complementary

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



16.4186, 18.4312, 19.2152



16.5899, 16.3132, 18.4949

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.



18.6667, 18.4312, 19.2214



16.4186, 18.4312, 19.2152



18.3531, 18.4312, 22.5206

Square

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



16.4186, 18.4312, 19.2152



17.2178, 18.4312, 23.4613



18.6660, 18.4312, 20.9466



17.8223, 18.4312, 17.0196

Rectangle

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



16.4186, 18.4312, 19.2152



16.5818, 18.4312, 22.0381



18.6660, 18.4312, 20.9466



18.4895, 18.4312, 18.2198

Sweetspot

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



16.4191, 18.4320, 19.2156



31.4415, 33.6922, 36.2589



16.7995, 18.6734, 17.1872



7.1317, 7.6753, 8.2366



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.



16.4191, 18.4320, 19.2156



28.0443, 32.0101, 32.9722



16.7266, 18.4700, 21.0967



4.0327, 4.4827, 4.7059



8.3485, 15.0631, 7.8202



39.3896, 71.6789, 35.0194

Inverse Universe

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



16.5899, 16.3132, 18.4949



28.4130, 27.4342, 31.4159



16.3019, 16.2722, 16.7500



4.0681, 4.0430, 4.5563



9.2058, 4.6585, 4.3744



43.4918, 22.0531, 18.6517

Previews

White Background



This preview shows how the XYZ color 16.4186, 18.4312, 19.2152 looks on a white background.

Color Contrast Check

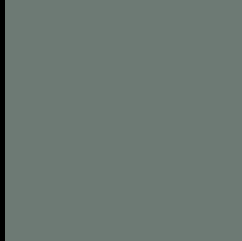
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4186, 18.4312, 19.2152 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

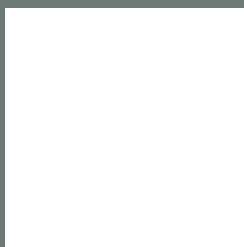
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.4186, 18.4312, 19.2152

Background



This preview shows how black text looks on a background with the XYZ color 16.4186, 18.4312, 19.2152.

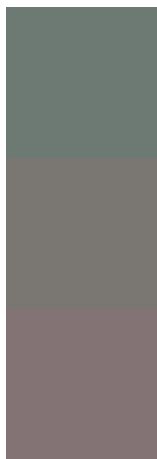


This preview shows how white text looks on a background with the XYZ color 16.4186, 18.4312,

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

16.4186, 18.4312, 19.2152

Protanopia

17.5417, 18.3093, 18.5291

Deuteranopia

18.7017, 18.3711, 19.3899



Tritanopia

17.3013, 18.4242, 23.7634

Trichromacy



Original Color

16.4186, 18.4312, 19.2152

Protanomaly

17.0275, 18.2134, 18.8377

Deuteranomaly

17.8577, 18.4522, 19.4500

Tritanomaly

16.9695, 18.4704, 22.0728

Monochromacy



Original Color

16.4186, 18.4312, 19.2152

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.7471, 18.0554, 19.4320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4186, 18.4312, 19.2152 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(109, 122, 116)` looks like.

```
.text, #text, p{  
    color:rgb(109, 122, 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(109, 122, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 122, 116) }
```

Border

The CSS property to change the border of an element to XYZ 16.4186, 18.4312, 19.2152 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(109, 122, 116) }
```


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

```
.border{ border-color:rgb(109, 122, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 122, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 122, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 122, 116);  
box-shadow:4px 4px 4px 4px rgb(109, 122,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4186, 18.4312, 19.2152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 122, 116) }
```

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

```
.background{ background-color: rgb(109,  
122, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor