

Converting Colors

XYZ(16.9031, 18.7455, 16.7726)

Have a look what the booklet for
XYZ(16.9031, 18.7455, 16.7726)
contains.

XYZ(16.8158, 18.6936, 16.6319)	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(16.8158, 18.6936,
16.6319)**

Conversions

Conversions Part 1

Format	Color
Hex	747A6B
RGB	116, 122, 107
RGB Percent	45%, 48%, 42%
CMY	0.5451, 0.5216, 0.5804
CMYK	0.05, 0.00, 0.12, 0.52
HSL	84°, 7%, 45%
HSV	84°, 12%, 48%
XYZ	16.8158, 18.6936, 16.6319
YIQ	118.4960, 1.2390, -5.9370

Conversions

Conversions Part 2

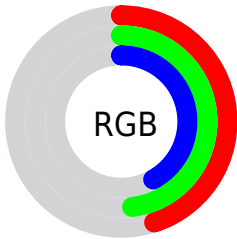
Format	Color
R_{YB}	107, 122, 113
Decimal	7633515
CIE Lab	50.33, -5.20, 7.45
CIE LCh	50, 9.081, 124.930
Yxy	18.6936, 0.3225, 0.3585
Android (android.graphics.Color)	4285823595 (0xFF747A6B)
YUV	118.4960, -5.6675, -2.1890
Hunter-Lab	43.2361, -6.2392, 7.4578

Details

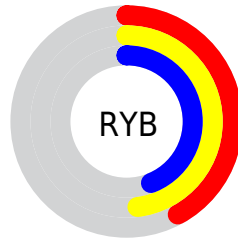
The XYZ color **16.8158, 18.6936, 16.6319** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.5814, 15.4318, 20.5708**, and the grayscale version is **17.3930, 18.2988, 19.9273**.

A 20% lighter version of the original color is **37.4561, 41.0656, 38.3001**, and **5.5821, 6.3203, 5.2007** is the 20% darker color. If you saturate the color by 10%, you get **15.5869, 18.1296, 13.4569**, and if you desaturate by 10%, it is **18.1704, 19.3130, 20.2864**.

Distribution



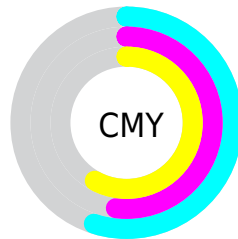
- Red (45%)
- Green (48%)
- Blue (42%)



- Red (42%)
- Yellow (48%)
- Blue (44%)



- Cyan (5%)
- Magenta (0%)
- Yellow (12%)
- Black (52%)



- Cyan (55%)
- Magenta (52%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8158, 18.6936, 16.6319 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 16.8158, 18.6936, 16.6319 by changing the saturation by 10% instead.

■ 16.8158, 18.6936,
16.6319

■ 16.8158, 18.6936,
16.6319

227.2856,
244.7520, 245.0138

■ 10.1977, 11.4491,
9.8132

■ 37.5549, 41.2157,
38.4737

■ 5.5935, 6.3698,
5.1713

■ 52.4067, 57.2621,
54.3340

■ 2.6378, 3.0712,
2.2876

■ 70.7337, 77.0112,
74.0451

■ 0.9653, 1.1690,
0.7243

■ 92.9014, 100.8475,
98.0258

■ 0.0000, 0.0362,
0.0000

119.2751,
129.1554, 126.6944

■ 0.0000, 0.0000,
0.0000

150.2201,

162.3191, 160.4696

186.1019,
200.7232, 199.7699

■ 16.8158, 18.6936,
16.6319

■ 16.8158, 18.6936,
16.6319

■ 15.5869, 18.1296,
13.4569

■ 18.1704, 19.3130,
20.2864

■ 14.4779, 17.6169,
10.7403

■ 19.6533, 19.9871,
24.4378

■ 13.4847, 17.1543,
8.4612

■ 21.2689, 20.7184,
29.1044

■ 12.6025, 16.7399,
6.5966

■ 23.0207, 21.5082,
34.3030

■ 11.8259, 16.3714,
5.1214

■ 24.9124, 22.3582,
40.0496

■ 11.1491, 16.0464,
4.0079

■ 26.9473, 23.2696,
46.3597

■ 10.5656, 15.7623,
3.2245

■ 29.1287, 24.2440,
53.2481

■ 10.0676, 15.5159,
2.7342

■ 31.4597, 25.2825,
60.7290

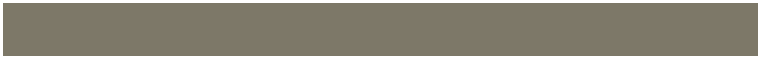
■ 9.7216, 15.3435,
2.4492

■ 33.9434, 26.3864,
68.8161

Harmonies

Analogous

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



17.6226, 18.6936, 15.8953



16.8158, 18.6936, 16.6319



16.2778, 18.6936, 18.3679

Triad

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



16.8158, 18.6936, 16.6319



17.0599, 18.6936, 25.0698



19.5085, 18.6936, 19.9403

Complementary

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



16.8158, 18.6936, 16.6319



15.5814, 15.4318, 20.5708

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.



19.3459, 18.6936, 22.4787



16.8158, 18.6936, 16.6319



17.9136, 18.6936, 25.5775

Square

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



16.8158, 18.6936, 16.6319



16.4154, 18.6936, 23.2587



18.7549, 18.6936, 24.5940



19.1923, 18.6936, 17.7021

Rectangle

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



16.8158, 18.6936, 16.6319



16.1340, 18.6936, 19.9286



18.7549, 18.6936, 24.5940



19.5081, 18.6936, 20.7857

Sweetspot

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



16.8163, 18.6944, 16.6323



31.5202, 33.7726, 34.4671



16.5857, 17.0100, 16.3193



7.1714, 7.7059, 7.7835



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.



16.8163, 18.6944, 16.6323



28.8974, 32.5728, 27.4594



15.8593, 18.2011, 16.5875



4.1599, 4.5577, 4.2850



10.2252, 16.1485, 2.5781



47.7952, 76.5248, 12.2517

Inverse Universe

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



15.5814, 15.4318, 20.5708



26.2382, 25.5469, 35.9410



16.5865, 15.9500, 20.6178



3.9353, 3.9645, 5.0010



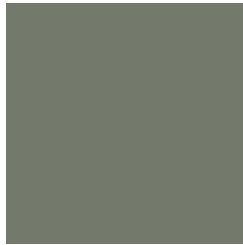
5.0137, 2.1574, 19.5375



23.0106, 9.8244, 93.1533

Previews

White Background



This preview shows how the XYZ color 16.8158, 18.6936, 16.6319 looks on a white background.

Color Contrast Check

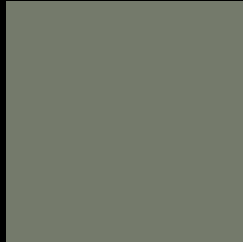
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8158, 18.6936, 16.6319 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 16.8158, 18.6936, 16.6319

Background



This preview shows how black text looks on a background with the XYZ color 16.8158, 18.6936, 16.6319.



This preview shows how white text looks on a background with the XYZ color 16.8158, 18.6936,

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

16.8158, 18.6936, 16.6319

Protanopia

17.6558, 18.5942, 16.2942

Deuteranopia

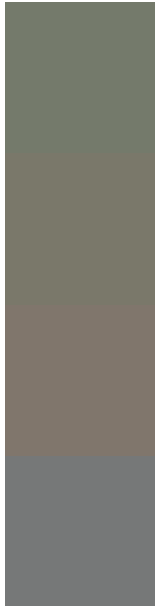
18.8292, 18.4951, 16.7649



Tritanopia

18.1009, 18.6741, 23.0725

Trichromacy



Original Color

16.8158, 18.6936, 16.6319

Protanomaly

17.3440, 18.6111, 16.3138

Deuteranomaly

18.0873, 18.6288, 16.8298

Tritanomaly

17.5778, 18.6406, 20.4408

Monochromacy



Original Color

16.8158, 18.6936, 16.6319

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.9702, 18.1905, 18.5363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8158, 18.6936, 16.6319 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(116, 122, 107)` looks like.

```
.text, #text, p{  
    color:rgb(116, 122, 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(116, 122, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 122, 107) }
```

Border

The CSS property to change the border of an element to XYZ 16.8158, 18.6936, 16.6319 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(116, 122, 107) }
```


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

```
.border{ border-color:rgb(116, 122, 107) }
```

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

Here you see how a box with a 4 pixel rgb(116, 122, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 122, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 122, 107);  
box-shadow:4px 4px 4px 4px rgb(116, 122,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8158, 18.6936, 16.6319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 122, 107) }
```

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

```
.background{ background-color: rgb(116,  
122, 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](#).

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