

Converting Colors

XYZ(18.6803, 16.3111, 14.5575)

Have a look what the booklet for
XYZ(18.6803, 16.3111, 14.5575)
contains.

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Color

**XYZ(18.6797, 16.2667,
14.4672)**

Conversions

Conversions Part 1

Format	Color
Hex	916565
RGB	145, 101, 101
RGB Percent	57%, 40%, 40%
CMY	0.4314, 0.6039, 0.6039
CMYK	0.00, 0.30, 0.30, 0.43
HSL	0°, 18%, 48%
HSV	0°, 30%, 57%
XYZ	18.6797, 16.2667, 14.4672
YIQ	114.1560, 26.2240, 9.3280

Conversions

Conversions Part 2

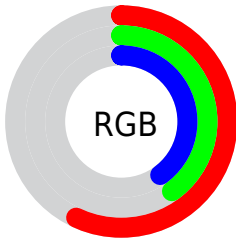
Format	Color
R _Y B	145, 101, 101
Decimal	9528677
CIE Lab	47.32, 17.76, 7.12
CIE LCh	47, 19.134, 21.848
Yxy	16.2667, 0.3780, 0.3292
Android (android.graphics.Color)	4287718757 (0xFF916565)
YUV	114.1560, -6.4859, 27.0502
Hunter-Lab	40.3320, 12.0910, 6.9649

Details

The XYZ color **18.6797, 16.2667, 14.4672** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.6027, 25.0610, 30.5395**, and the grayscale version is **16.0548, 16.8909, 18.3941**.

A 20% lighter version of the original color is **40.7152, 37.0028, 34.7021**, and **6.4992, 5.2318, 4.1573** is the 20% darker color. If you saturate the color by 10%, you get **16.7453, 13.4362, 10.6212**, and if you desaturate by 10%, it is **20.9887, 19.6456, 19.0569**.

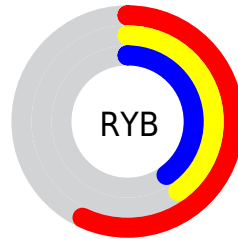
Distribution



Red (57%)

Green (40%)

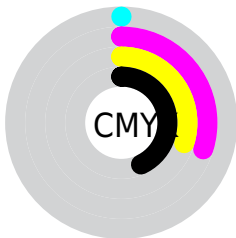
Blue (40%)



Red (57%)

Yellow (40%)

Blue (40%)

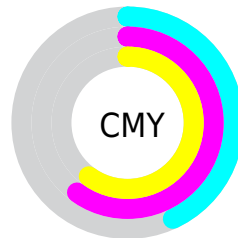


Cyan (0%)

Magenta (30%)

Yellow (30%)

Black (43%)



Cyan (43%)

Magenta (60%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6797, 16.2667, 14.4672 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 18.6797, 16.2667, 14.4672 by changing the saturation by 10% instead.

■ 18.6797, 16.2667,
14.4672

■ 18.6797, 16.2667,
14.4672

237.6470,
230.9104, 231.6469

■ 11.5417, 9.7131,
8.3039

■ 40.7132, 37.0606,
34.6447

■ 6.5024, 5.2091,
4.1995

■ 56.3395, 52.0696,
49.4960

■ 3.1964, 2.3705,
1.7354

■ 75.5258, 70.6660,
68.0803

■ 1.2585, 0.8106,
0.3848

■ 98.6377, 93.2339,
90.8163

■ 0.1518, 0.0000,
0.0000

126.0404,
120.1580, 118.1223

■ 0.0000, 0.0000,
0.0000

158.0992,

151.8225, 150.4171

195.1797,
188.6118, 188.1191

■ 18.6797, 16.2667,
14.4672

■ 18.6797, 16.2667,
14.4672

■ 16.7453, 13.4362,
10.6212

■ 20.9887, 19.6456,
19.0569

■ 15.1645, 11.1231,
7.4788

■ 23.6893, 23.5973,
24.4256

■ 13.9165, 9.2968,
4.9977

■ 26.7988, 28.1473,
30.6073

■ 12.9773, 7.9225,
3.1308

■ 30.3333, 33.3192,
37.6338

■ 12.3201, 6.9609,
1.8245

■ 34.3079, 39.1352,
45.5354

■ 11.9135, 6.3658,
1.0163

■ 38.7371, 45.6162,
54.3406

■ 11.6772, 6.0200,
0.5465

■ 43.6345, 52.7825,
64.0768

■ 49.0134, 60.6532,
74.7702

■ 54.8864, 69.2470,
86.4460

Harmonies

Analogous

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



18.9083, 16.2667, 19.0652



18.6797, 16.2667, 14.4672



17.5579, 16.2667, 11.3515

Triad

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



18.6797, 16.2667, 14.4672



13.0424, 16.2667, 12.5593



15.0045, 16.2667, 28.6217

Complementary

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



18.6797, 16.2667, 14.4672



20.6027, 25.0610, 30.5395

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.



13.5381, 16.2667, 26.0903



18.6797, 16.2667, 14.4672



12.4605, 16.2667, 16.4238

Square

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



18.6797, 16.2667, 14.4672



14.2822, 16.2667, 10.3980



12.6351, 16.2667, 21.4082



16.7029, 16.2667, 27.8374

Rectangle

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



18.6797, 16.2667, 14.4672



16.4963, 16.2667, 10.2546



12.6351, 16.2667, 21.4082



14.4700, 16.2667, 28.1161

Sweetspot

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



18.6801, 16.2675, 14.4675



43.0301, 43.1461, 44.9475



21.4417, 17.3716, 29.0111



9.4194, 9.3742, 9.6946



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.6801, 16.2675, 14.4675



31.1587, 25.7748, 21.3475



21.1091, 21.1254, 15.2772



5.4089, 5.4241, 5.6513



10.0159, 5.1635, 0.4688



0.0958, 0.0494, 0.0045

Inverse Universe

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



20.6027, 25.0610, 30.5395



35.1376, 43.9736, 54.6094



17.5608, 18.9771, 29.5255



5.5602, 6.1163, 6.9163



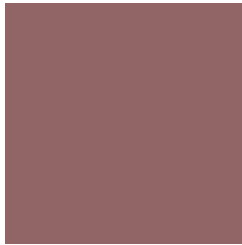
13.0674, 19.1207, 25.9790



0.1249, 0.1828, 0.2484

Previews

White Background



This preview shows how the XYZ color 18.6797, 16.2667, 14.4672 looks on a white background.

Color Contrast Check

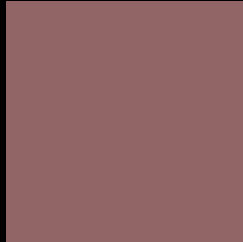
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6797, 16.2667, 14.4672 looks on a black 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

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

XYZ 18.6797, 16.2667, 14.4672

Background



This preview shows how black text looks on a background with the XYZ color 18.6797, 16.2667, 14.4672.

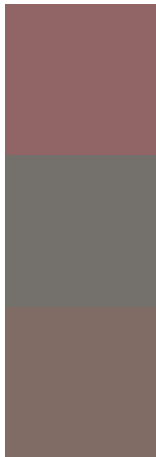


This preview shows how white text looks on a background with the XYZ color 18.6797, 16.2667,

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

18.6797, 16.2667, 14.4672

Protanopia

15.6505, 16.3629, 16.2434

Deuteranopia

16.5649, 16.2344, 14.3171



Tritanopia

19.1180, 16.3080, 16.3275

Trichromacy



Original Color

18.6797, 16.2667, 14.4672

Protanomaly

16.6648, 16.2571, 15.6242

Deuteranomaly

17.1833, 16.0916, 14.2569

Tritanomaly

18.9610, 16.2453, 15.5009

Monochromacy



Original Color

18.6797, 16.2667, 14.4672

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.6864, 16.4014, 16.7543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6797, 16.2667, 14.4672 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(145, 101, 101)` looks like.

```
.text, #text, p{  
    color:rgb(145, 101, 101)  
}
```

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(145, 101, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 101, 101) }
```

Border

The CSS property to change the border of an element to XYZ 18.6797, 16.2667, 14.4672 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(145, 101, 101) }
```


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

```
.border{ border-color:rgb(145, 101, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 101, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 101, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 101, 101);  
box-shadow:4px 4px 4px 4px rgb(145, 101,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6797, 16.2667, 14.4672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 101, 101) }
```

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

```
.background{ background-color: rgb(145,  
101, 101) }
```

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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