

Converting Colors

XYZ(16.5933, 11.8780, 10.0781)

Have a look what the booklet for
XYZ(16.5933, 11.8780, 10.0781)
contains.

XYZ(16.5999, 11.9050, 10.0173)	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(16.5999, 11.9050,
10.0173)**

Conversions

Conversions Part 1

Format	Color
Hex	964955
RGB	150, 73, 85
RGB Percent	59%, 29%, 33%
CMY	0.4118, 0.7137, 0.6667
CMYK	0.00, 0.51, 0.43, 0.41
HSL	351°, 35%, 44%
HSV	351°, 51%, 59%
XYZ	16.5999, 11.9050, 10.0173
YIQ	97.3910, 42.0400, 20.0560

Conversions

Conversions Part 2

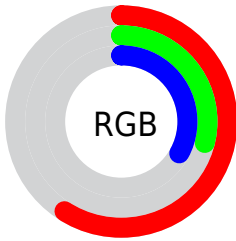
Format	Color
R_{YB}	150, 73, 85
Decimal	9849173
CIE Lab	41.06, 33.52, 8.10
CIE LCh	41, 34.482, 13.586
Yxy	11.9050, 0.4309, 0.3090
Android (android.graphics.Color)	4288039253 (0xFF964955)
YUV	97.3910, -6.1088, 46.1381
Hunter-Lab	34.5036, 25.4961, 6.9391

Details

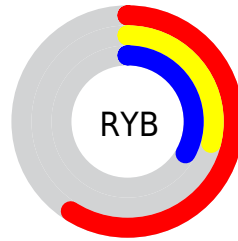
The XYZ color **16.5999, 11.9050, 10.0173** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.2421, 25.0644, 27.9228**, and the grayscale version is **11.4663, 12.0634, 13.1370**.

A 20% lighter version of the original color is **37.2429, 29.4019, 26.2665**, and **5.5335, 3.2933, 2.3515** is the 20% darker color. If you saturate the color by 10%, you get **15.2717, 9.9829, 7.3108**, and if you desaturate by 10%, it is **18.2565, 14.3397, 13.2778**.

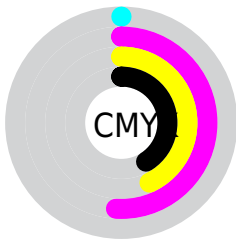
Distribution



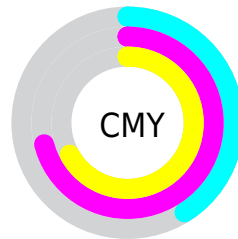
- Red (59%)
- Green (29%)
- Blue (33%)



- Red (59%)
- Yellow (29%)
- Blue (33%)



- Cyan (0%)
- Magenta (51%)
- Yellow (43%)
- Black (41%)



- Cyan (41%)
- Magenta (71%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5999, 11.9050, 10.0173 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 16.5999, 11.9050, 10.0173 by changing the saturation by 10% instead.

■ 16.5999, 11.9050,
10.0173

■ 16.5999, 11.9050,
10.0173

226.0575,
203.7754, 201.2848

■ 10.0432, 6.6790,
5.3047

■ 37.1857, 29.3220,
26.4364

■ 5.4901, 3.2622,
2.3653

■ 51.9454, 42.2817,
38.9799

■ 2.5753, 1.2701,
0.7674

■ 70.1702, 58.5882,
54.9708

■ 0.9334, 0.1179,
0.0000

■ 92.2254, 78.6258,
74.8276

■ 0.0000, 0.0000,
0.0000

■ 118.4764,
102.7790, 98.9688

149.2885,

131.4320, 127.8131

185.0271,
164.9693, 161.7789

■ 16.5999, 11.9050,
10.0173

■ 16.5999, 11.9050,
10.0173

■ 15.2717, 9.9829,
7.3108

■ 18.2565, 14.3397,
13.2778

■ 14.2487, 8.5349,
5.1264

■ 20.2606, 17.3184,
17.1202

■ 13.5063, 7.5201,
3.4302

■ 22.6311, 20.8718,
21.5713

■ 13.0154, 6.8895,
2.1837

■ 25.3851, 25.0281,
26.6562

■ 12.7360, 6.5474,
1.4227

■ 28.5386, 29.8134,
32.3985

■ 32.1068, 35.2525,
38.8205

■ 36.1040, 41.3687,
45.9435

■ 40.5440, 48.1841,
53.7879

■ 45.4397, 55.7200,
62.3732

Harmonies

Analogous

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



16.5216, 11.9050, 17.2076



16.5999, 11.9050, 10.0173



15.1242, 11.9050, 5.6537

Triad

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



16.5999, 11.9050, 10.0173



8.3413, 11.9050, 5.3847



10.0232, 11.9050, 30.9235

Complementary

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



16.5999, 11.9050, 10.0173



18.2421, 25.0644, 27.9228

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.



8.2066, 11.9050, 24.8122



16.5999, 11.9050, 10.0173



7.3368, 11.9050, 9.4802

Square

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



16.5999, 11.9050, 10.0173



10.2339, 11.9050, 3.7155



7.2914, 11.9050, 16.4349



12.4705, 11.9050, 31.2353

Rectangle

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



16.5999, 11.9050, 10.0173



13.5670, 11.9050, 4.1869



7.2914, 11.9050, 16.4349



9.3277, 11.9050, 29.4007

Sweetspot

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



16.6002, 11.9056, 10.0175



42.7891, 41.1302, 43.3474



18.2318, 12.3002, 30.2673



9.2779, 8.8060, 9.2284



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.6002, 11.9056, 10.0175



26.5696, 17.0721, 12.1037



18.2110, 15.8264, 8.3991



5.8355, 5.8292, 6.2397



10.5713, 5.4336, 1.2233



0.1364, 0.0693, 0.0518

Inverse Universe

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



16.6002, 11.9056, 10.0175



26.5696, 17.0721, 12.1037



15.5027, 18.1180, 31.5341



5.8355, 5.8292, 6.2397



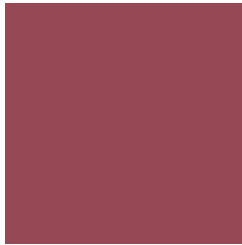
10.5713, 5.4336, 1.2233



0.1364, 0.0693, 0.0518

Previews

White Background



This preview shows how the XYZ color 16.5999, 11.9050, 10.0173 looks on a white background.

Color Contrast Check

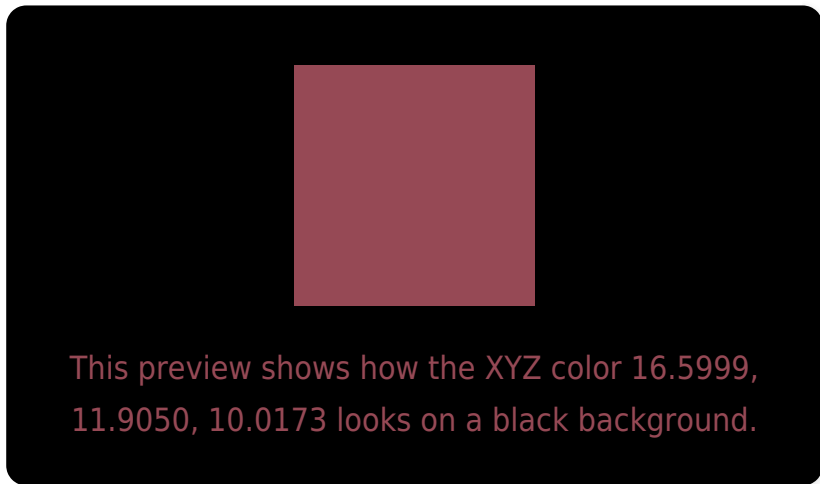
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

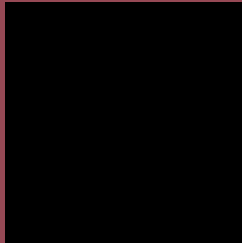
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.5999, 11.9050, 10.0173

Background



This preview shows how black text looks on a background with the XYZ color 16.5999, 11.9050, 10.0173.



This preview shows how white text looks on a background with the XYZ color 16.5999, 11.9050,

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

16.5999, 11.9050, 10.0173

Protanopia

11.6249, 12.0839, 13.2750

Deuteranopia

12.2078, 12.0593, 9.6669



Tritanopia

16.4377, 11.9461, 8.8366

Trichromacy



Original Color

16.5999, 11.9050, 10.0173

Protanomaly

12.9367, 11.6213, 11.9172

Deuteranomaly

13.4933, 11.7157, 9.7338

Tritanomaly

16.5117, 11.9757, 9.2259

Monochromacy



Original Color

16.5999, 11.9050, 10.0173

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.6680, 11.4828, 11.9046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5999, 11.9050, 10.0173 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(150, 73, 85)` looks like.

```
.text, #text, p{  
    color:rgb(150, 73, 85)  
}
```

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(150, 73, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 73, 85) }
```

Border

The CSS property to change the border of an element to XYZ 16.5999, 11.9050, 10.0173 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(150, 73, 85) }
```


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

```
.border{ border-color:rgb(150, 73, 85) }
```

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

Here you see how a box with a 4 pixel rgb(150, 73, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 73, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 73, 85);  
box-shadow:4px 4px 4px 4px rgb(150, 73,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5999, 11.9050, 10.0173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 73, 85) }
```

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

```
.background{ background-color: rgb(150, 73,  
85) }
```

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