

Converting Colors

XYZ(16.0798, 19.4545, 11.8603)

Have a look what the booklet for
XYZ(16.0798, 19.4545, 11.8603)
contains.

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Color

**XYZ(16.1216, 19.5712,
11.9447)**

Conversions

Conversions Part 1

Format	Color
Hex	708057
RGB	112, 128, 87
RGB Percent	44%, 50%, 34%
CMY	0.5608, 0.4980, 0.6588
CMYK	0.13, 0.00, 0.32, 0.50
HSL	83°, 19%, 42%
HSV	83°, 32%, 50%
XYZ	16.1216, 19.5712, 11.9447
YIQ	118.5420, 3.6250, -16.1430

Conversions

Conversions Part 2

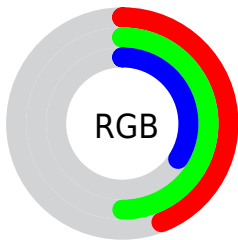
Format	Color
R_{YB}	87, 128, 103
Decimal	7372887
CIE _{Lab}	51.35, -13.52, 20.38
CIE _{LCh}	51, 24.455, 123.568
Yxy	19.5712, 0.3384, 0.4108
Android (android.graphics.Color)	4285562967 (0xFF708057)
YUV	118.5420, -15.5502, -5.7373
Hunter-Lab	44.2393, -12.3703, 14.9591

Details

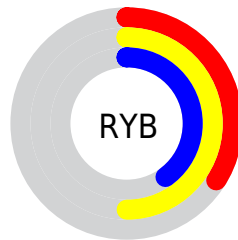
The XYZ color **16.1216, 19.5712, 11.9447** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.8987, 11.2589, 21.9165**, and the grayscale version is **17.4371, 18.3452, 19.9779**.

A 20% lighter version of the original color is **36.3491, 42.7464, 30.0020**, and **5.2461, 6.8088, 3.1356** is the 20% darker color. If you saturate the color by 10%, you get **15.0264, 19.0624, 9.4015**, and if you desaturate by 10%, it is **17.3459, 20.1370, 14.9789**.

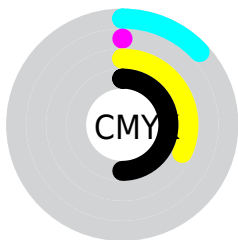
Distribution



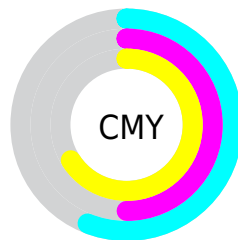
- Red (44%)
- Green (50%)
- Blue (34%)



- Red (34%)
- Yellow (50%)
- Blue (40%)



- Cyan (13%)
- Magenta (0%)
- Yellow (32%)
- Black (50%)



- Cyan (56%)
- Magenta (50%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1216, 19.5712, 11.9447 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 16.1216, 19.5712, 11.9447 by changing the saturation by 10% instead.

■ 16.1216, 19.5712,
11.9447

■ 16.1216, 19.5712,
11.9447

223.3145,
249.5842, 215.0037

■ 9.7016, 12.0837,
6.5839

■ 36.3649, 42.6971,
30.0572

■ 5.2623, 6.8007,
3.1288

■ 50.9190, 59.1043,
43.6461

■ 2.4383, 3.3378,
1.1608

■ 68.9151, 79.2536,
60.8148

■ 0.8643, 1.3105,
0.0000

■ 90.7187, 103.5292,
81.9817

■ 0.0000, 0.1493,
0.0000

■ 116.6951,
132.3158, 107.5656

■ 0.0000, 0.0000,
0.0000

147.2096,

165.9975, 137.9848

182.6276,
204.9589, 173.6581

■ 16.1216, 19.5712,
11.9447

■ 16.1216, 19.5712,
11.9447

■ 15.0264, 19.0624,
9.4015

■ 17.3459, 20.1370,
14.9789

■ 14.0533, 18.6057,
7.3222

■ 18.7028, 20.7594,
18.5267

■ 13.1968, 18.1997,
5.6790

■ 20.1976, 21.4412,
22.6110

■ 12.4504, 17.8415,
4.4406

■ 21.8348, 22.1842,
27.2528

■ 11.8068, 17.5283,
3.5716

■ 23.6188, 22.9902,
32.4720

■ 11.2574, 17.2565,
3.0304

■ 25.5536, 23.8609,
38.2875

■ 10.8652, 17.0608,
2.7204

■ 27.6432, 24.7980,
44.7174

■ 29.8913, 25.8030,
51.7791

■ 32.3016, 26.8773,
59.4891

Harmonies

Analogous

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



18.3108, 19.5712, 10.4986



16.1216, 19.5712, 11.9447



14.7016, 19.5712, 15.8608

Triad

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



16.1216, 19.5712, 11.9447



16.5867, 19.5712, 35.7829



23.6995, 19.5712, 20.4827

Complementary

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



16.1216, 19.5712, 11.9447



12.8987, 11.2589, 21.9165

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.



23.1372, 19.5712, 27.8823



16.1216, 19.5712, 11.9447



18.8960, 19.5712, 37.7701

Square

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



16.1216, 19.5712, 11.9447



14.9532, 19.5712, 29.6549



21.3242, 19.5712, 34.6121



22.8004, 19.5712, 14.6984

Rectangle

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



16.1216, 19.5712, 11.9447



14.3104, 19.5712, 19.8368



21.3242, 19.5712, 34.6121



23.6755, 19.5712, 22.8538

Sweetspot

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



16.1221, 19.5721, 11.9451



33.3835, 36.7569, 33.8424



15.4452, 14.9222, 11.0833



7.7457, 8.5737, 7.7344



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.1221, 19.5721, 11.9451



27.0403, 33.8337, 17.8756



13.8321, 18.3915, 11.8379



4.5079, 4.9383, 4.6357



10.7747, 16.9169, 2.6974



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.8987, 11.2589, 21.9165



20.4911, 16.9365, 38.1453



15.5046, 12.6023, 22.0384



4.2553, 4.2872, 5.4165



5.1671, 2.2174, 20.4056



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.1216, 19.5712, 11.9447 looks on a white background.

Color Contrast Check

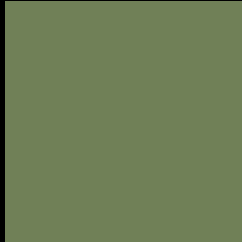
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1216, 19.5712, 11.9447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

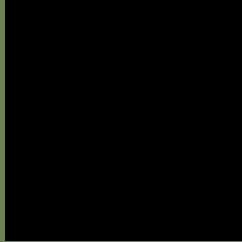
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.1216, 19.5712, 11.9447

Background



This preview shows how black text looks on a background with the XYZ color 16.1216, 19.5712, 11.9447.



This preview shows how white text looks on a background with the XYZ color 16.1216, 19.5712,

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

16.1216, 19.5712, 11.9447

Protanopia

18.0755, 19.4647, 11.1919

Deuteranopia

19.8415, 19.4636, 12.1623



Tritanopia

18.5956, 19.4366, 24.6013

Trichromacy



Original Color

16.1216, 19.5712, 11.9447

Protanomaly

17.3048, 19.4312, 11.4329

Deuteranomaly

18.2717, 19.3659, 12.0075

Tritanomaly

17.5625, 19.3893, 19.3399

Monochromacy



Original Color

16.1216, 19.5712, 11.9447

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.8158, 18.6936, 16.6319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1216, 19.5712, 11.9447 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(112, 128, 87)` looks like.

```
.text, #text, p{  
    color:rgb(112, 128, 87)  
}
```

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(112, 128, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 128, 87) }
```

Border

The CSS property to change the border of an element to XYZ 16.1216, 19.5712, 11.9447 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(112, 128, 87) }
```


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

```
.border{ border-color:rgb(112, 128, 87) }
```

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

Here you see how a box with a 4 pixel rgb(112, 128, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 128, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 128, 87);  
box-shadow:4px 4px 4px 4px rgb(112, 128,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1216, 19.5712, 11.9447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 128, 87) }
```

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

```
.background{ background-color: rgb(112,  
128, 87) }
```

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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