

Converting Colors

XYZ(11.8680, 15.6083, 16.2341)

Have a look what the booklet for
XYZ(11.8680, 15.6083, 16.2341)
contains.

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Color

**XYZ(11.8492, 15.5948,
16.2955)**

Conversions

Conversions Part 1

Format	Color
Hex	47776B
RGB	71, 119, 107
RGB Percent	28%, 47%, 42%
CMY	0.7216, 0.5333, 0.5804
CMYK	0.40, 0.00, 0.10, 0.53
HSL	165°, 25%, 37%
HSV	165°, 40%, 47%
XYZ	11.8492, 15.5948, 16.2955
YIQ	103.2800, -24.7560, -13.9080

Conversions

Conversions Part 2

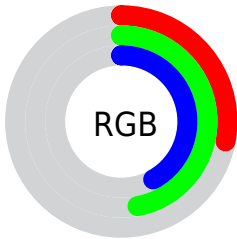
Format	Color
R_{YB}	71, 98, 119
Decimal	4683627
CIE _{Lab}	46.44, -19.35, 1.47
CIE _{LCh}	46, 19.409, 175.666
Yxy	15.5948, 0.2709, 0.3565
Android (android.graphics.Color)	4282873707 (0xFF47776B)
YUV	103.2800, 1.8340, -28.3096
Hunter-Lab	39.4903, -15.5483, 3.1774

Details

The XYZ color **11.8492, 15.5948, 16.2955** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.4229, 9.0533, 9.3296**, and the grayscale version is **12.9666, 13.6419, 14.8560**.

A 20% lighter version of the original color is **28.7605, 35.7320, 37.7289**, and **3.3150, 4.8660, 5.0395** is the 20% darker color. If you saturate the color by 10%, you get **10.9067, 15.1271, 15.4485**, and if you desaturate by 10%, it is **12.9689, 16.1540, 17.1796**.

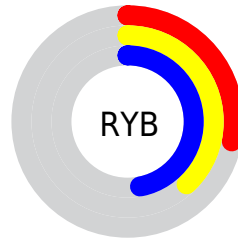
Distribution



Red (28%)

Green (47%)

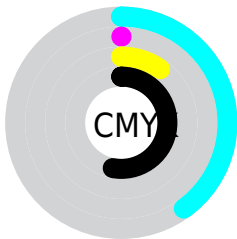
Blue (42%)



Red (28%)

Yellow (38%)

Blue (47%)

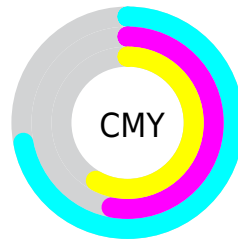


Cyan (40%)

Magenta (0%)

Yellow (10%)

Black (53%)



Cyan (72%)

Magenta (53%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8492, 15.5948, 16.2955 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 11.8492, 15.5948, 16.2955 by changing the saturation by 10% instead.

■ 11.8492, 15.5948,
16.2955

■ 11.8492, 15.5948,
16.2955

197.1948,
226.9387, 242.9841

■ 6.7125, 9.2379,
9.5769

■ 28.8394, 35.8933,
37.8844

■ 3.3277, 4.8967,
5.0174

■ 41.4237, 50.6037,
53.5917

■ 1.3293, 2.1868,
2.1986

■ 57.2212, 68.8674,
73.1323

■ 0.2050, 0.7128,
0.6735

■ 76.5973, 91.0687,
96.9248

■ 0.0000, 0.0000,
0.0000

■ 99.9173, 117.5921,
125.3877

127.5467,

148.8220, 158.9395

159.8507,
185.1427, 197.9988

■ 11.8492, 15.5948,
16.2955

■ 11.8492, 15.5948,
16.2955

■ 10.9067, 15.1271,
15.4485

■ 12.9689, 16.1540,
17.1796

■ 10.1301, 14.7439,
14.6368

■ 14.2738, 16.8077,
18.1004

■ 9.5086, 14.4401,
13.8599

■ 15.7729, 17.5608,
19.0590

■ 9.0298, 14.2092,
13.1169

■ 17.4743, 18.4177,
20.0560

■ 8.6790, 14.0437,
12.4070

■ 19.3856, 19.3820,
21.0920

■ 8.4108, 13.9197,
11.7495

■ 21.5140, 20.4576,
22.1677

■ 23.8663, 21.6480,
23.2835

■ 26.4491, 22.9566,
24.4401

■ 29.2687, 24.3865,
25.6380

Harmonies

Analogous

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



12.3289, 15.5948, 12.3091



11.8492, 15.5948, 16.2955



12.1158, 15.5948, 21.2766

Triad

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



11.8492, 15.5948, 16.2955



16.2552, 15.5948, 26.6759



16.7056, 15.5948, 10.4693

Complementary

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



11.8492, 15.5948, 16.2955



11.4229, 9.0533, 9.3296

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.



17.9047, 15.5948, 13.3048



11.8492, 15.5948, 16.2955



17.6313, 15.5948, 22.7045

Square

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



11.8492, 15.5948, 16.2955



14.5814, 15.5948, 27.8828



18.2555, 15.5948, 17.6836



15.0660, 15.5948, 9.3700

Rectangle

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



11.8492, 15.5948, 16.2955



12.6924, 15.5948, 24.4328



18.2555, 15.5948, 17.6836



17.1782, 15.5948, 11.2217

Sweetspot

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



11.8496, 15.5954, 16.2959



27.6870, 31.1653, 33.7846



11.3729, 15.5249, 8.3587



6.4967, 7.3533, 7.9661



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.



11.8496, 15.5954, 16.2959



19.7036, 27.1732, 27.8291



11.2703, 13.3551, 19.4373



3.7461, 4.1404, 4.4967



8.9317, 14.7867, 12.4621



43.1691, 71.9149, 58.8548

Inverse Universe

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



11.4229, 9.0533, 9.3296



18.8360, 13.8025, 13.6151



11.7780, 10.4421, 7.3562



3.7181, 3.7145, 4.0421



8.3249, 4.2637, 1.6533



40.2713, 20.6586, 6.4920

Previews

White Background



This preview shows how the XYZ color 11.8492, 15.5948, 16.2955 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 11.8492, 15.5948, 16.2955 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 11.8492, 15.5948, 16.2955

Background



This preview shows how black text looks on a background with the XYZ color 11.8492, 15.5948, 16.2955.



This preview shows how white text looks on a background with the XYZ color 11.8492, 15.5948,

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

11.8492, 15.5948, 16.2955

Protanopia

14.6770, 15.4073, 14.7707

Deuteranopia

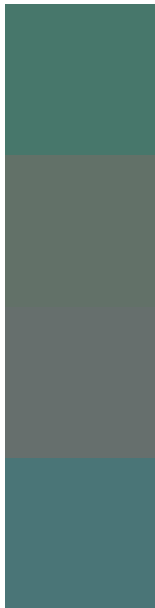
15.7142, 15.4269, 16.9013



Tritanopia

12.9918, 15.5336, 22.0522

Trichromacy



Original Color

11.8492, 15.5948, 16.2955

Protanomaly

13.4408, 15.4064, 15.3620

Deuteranomaly

13.9242, 15.2978, 16.6869

Tritanomaly

12.5151, 15.5103, 19.7869

Monochromacy



Original Color

11.8492, 15.5948, 16.2955

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.2817, 14.1609, 15.1827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8492, 15.5948, 16.2955 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(71, 119, 107)` looks like.

```
.text, #text, p{  
    color:rgb(71, 119, 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(71, 119, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 119, 107) }
```

Border

The CSS property to change the border of an element to XYZ 11.8492, 15.5948, 16.2955 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(71, 119, 107) }
```


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

```
.border{ border-color:rgb(71, 119, 107) }
```

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

Here you see how a box with a 4 pixel rgb(71, 119, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 119, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 119, 107);  
box-shadow:4px 4px 4px 4px rgb(71, 119,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8492, 15.5948, 16.2955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 119, 107) }
```

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

```
.background{ background-color: rgb(71, 119,  
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](#).

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