

Converting Colors

XYZ(11.8103, 15.9062, 8.1618)

Have a look what the booklet for
XYZ(11.8103, 15.9062, 8.1618)
contains.

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Color

**XYZ(11.8465, 15.9498,
8.2486)**

Conversions

Conversions Part 1

Format	Color
Hex	587846
RGB	88, 120, 70
RGB Percent	35%, 47%, 27%
CMY	0.6549, 0.5294, 0.7255
CMYK	0.27, 0.00, 0.42, 0.53
HSL	98°, 26%, 37%
HSV	98°, 42%, 47%
XYZ	11.8465, 15.9498, 8.2486
YIQ	104.7320, -3.0220, -22.3340

Conversions

Conversions Part 2

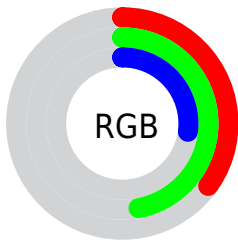
Format	Color
RYB	70, 120, 102
Decimal	5797958
CIELab	46.91, -21.40, 23.84
CIELCh	47, 32.033, 131.915
Yxy	15.9498, 0.3287, 0.4425
Android (android.graphics.Color)	4283988038 (0xFF587846)
YUV	104.7320, -17.1229, -14.6740
Hunter-Lab	39.9372, -16.9420, 15.7103

Details

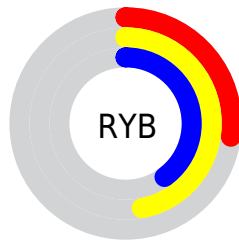
The XYZ color **11.8465, 15.9498, 8.2486** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.0604, 8.5616, 18.8397**, and the grayscale version is **13.4005, 14.0984, 15.3532**.

A 20% lighter version of the original color is **28.7298, 36.3259, 22.9501**, and **3.3038, 5.0278, 1.7160** is the 20% darker color. If you saturate the color by 10%, you get **10.8159, 15.4585, 6.4169**, and if you desaturate by 10%, it is **13.0302, 16.5123, 10.4834**.

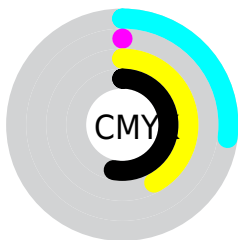
Distribution



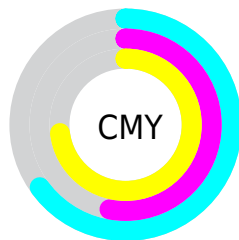
- Red (35%)
- Green (47%)
- Blue (27%)



- Red (27%)
- Yellow (47%)
- Blue (40%)



- Cyan (27%)
- Magenta (0%)
- Yellow (42%)
- Black (53%)



- Cyan (65%)
- Magenta (53%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8465, 15.9498, 8.2486 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 11.8465, 15.9498, 8.2486 by changing the saturation by 10% instead.

■ 11.8465, 15.9498,
8.2486

■ 11.8465, 15.9498,
8.2486

197.1772,
229.0453, 187.6759

■ 6.7107, 9.4886,
4.1644

■ 28.8345, 36.5110,
22.9985

■ 3.3266, 5.0613,
1.7160

■ 41.4174, 51.3799,
34.5013

■ 1.3287, 2.2832,
0.3716

■ 57.2134, 69.8201,
49.3141

■ 0.2046, 0.7648,
0.0000

■ 76.5879, 92.2161,
67.8553

■ 0.0000, 0.0000,
0.0000

■ 99.9061, 118.9522,
90.5436

127.5335,

150.4128, 117.7974

159.8354,
186.9824, 150.0353

■ 11.8465, 15.9498,
8.2486

■ 11.8465, 15.9498,
8.2486

■ 10.8159, 15.4585,
6.4169

■ 13.0302, 16.5123,
10.4834

■ 9.9304, 15.0332,
4.9632

■ 14.3723, 17.1467,
13.1423

■ 9.1828, 14.6715,
3.8613

■ 15.8792, 17.8564,
16.2460

■ 8.5649, 14.3695,
3.0813

■ 17.5566, 18.6439,
19.8136

■ 8.0673, 14.1234,
2.5881

■ 19.4099, 19.5116,
23.8631

■ 7.7214, 13.9514,
2.2859

■ 21.4442, 20.4618,
28.4116

■ 23.6645, 21.4966,
33.4752

■ 26.0755, 22.6182,
39.0694

■ 28.6818, 23.8286,
45.2091

Harmonies

Analogous

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



14.0774, 15.9498, 6.2427



11.8465, 15.9498, 8.2486



10.6046, 15.9498, 13.0146

Triad

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



11.8465, 15.9498, 8.2486



13.5524, 15.9498, 36.4842



21.0478, 15.9498, 14.3796

Complementary

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



11.8465, 15.9498, 8.2486



11.0604, 8.5616, 18.8397

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.



20.8621, 15.9498, 22.5945



11.8465, 15.9498, 8.2486



16.2963, 15.9498, 37.1919

Square

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



11.8465, 15.9498, 8.2486



11.5029, 15.9498, 29.8068



19.0396, 15.9498, 31.5175



19.5196, 15.9498, 8.9823

Rectangle

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



11.8465, 15.9498, 8.2486



10.3991, 15.9498, 17.8858



19.0396, 15.9498, 31.5175



21.1885, 15.9498, 16.8576

Sweetspot

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



11.8469, 15.9505, 8.2489



27.7526, 31.3226, 28.2065



13.5705, 13.8732, 7.7571



6.5125, 7.3928, 6.5498



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.



11.8469, 15.9505, 8.2489



19.0971, 27.2233, 11.4136



10.5705, 15.2668, 9.3496



4.0745, 4.5137, 4.2810



8.4086, 15.2120, 2.4930



39.2543, 72.1218, 11.8520

Inverse Universe

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



11.0604, 8.5616, 18.8397



17.5060, 12.3565, 32.7154



12.9359, 9.5736, 16.8881



4.0211, 4.0088, 5.0050



7.0042, 3.1835, 19.6306



32.4555, 14.6934, 93.5953

Previews

White Background



This preview shows how the XYZ color 11.8465, 15.9498, 8.2486 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 11.8465, 15.9498, 8.2486 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 11.8465, 15.9498, 8.2486

Background



This preview shows how black text looks on a background with the XYZ color 11.8465, 15.9498, 8.2486.



This preview shows how white text looks on a background with the XYZ color 11.8465, 15.9498,

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

11.8465, 15.9498, 8.2486

Protanopia

14.5827, 15.8391, 7.5988

Deuteranopia

16.0295, 15.7757, 8.5035



Tritanopia

14.4163, 15.9515, 21.0580

Trichromacy



Original Color

11.8465, 15.9498, 8.2486

Protanomaly

13.3674, 15.7032, 7.7953

Deuteranomaly

14.1903, 15.6187, 8.3977

Tritanomaly

13.2583, 15.8174, 15.4510

Monochromacy



Original Color

11.8465, 15.9498, 8.2486

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.6533, 14.5772, 12.2720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8465, 15.9498, 8.2486 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(88, 120, 70)` looks like.

```
.text, #text, p{  
    color:rgb(88, 120, 70)  
}
```

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(88, 120, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 120, 70) }
```

Border

The CSS property to change the border of an element to XYZ 11.8465, 15.9498, 8.2486 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(88, 120, 70) }
```


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

```
.border{ border-color:rgb(88, 120, 70) }
```

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

Here you see how a box with a 4 pixel rgb(88, 120, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 120, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 120, 70);  
box-shadow:4px 4px 4px 4px rgb(88, 120,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8465, 15.9498, 8.2486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 120, 70) }
```

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

```
.background{ background-color: rgb(88, 120,  
70) }
```

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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