

Converting Colors

XYZ(10.8012, 16.7259, 11.9939)

Have a look what the booklet for
XYZ(10.8012, 16.7259, 11.9939)
contains.

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Color

**XYZ(10.8459, 16.8467,
11.9126)**

Conversions

Conversions Part 1

Format	Color
Hex	338058
RGB	51, 128, 88
RGB Percent	20%, 50%, 35%
CMY	0.8000, 0.4980, 0.6549
CMYK	0.60, 0.00, 0.31, 0.50
HSL	149°, 43%, 35%
HSV	149°, 60%, 50%
XYZ	10.8459, 16.8467, 11.9126
YIQ	100.4170, -33.0520, -28.7640

Conversions

Conversions Part 2

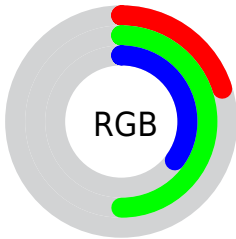
Format	Color
R _Y B	51, 103, 128
Decimal	3375192
CIE Lab	48.07, -33.63, 14.80
CIE LCh	48, 36.743, 156.241
Yxy	16.8467, 0.2739, 0.4254
Android (android.graphics.Color)	4281565272 (0xFF338058)
YUV	100.4170, -6.1216, -43.3387
Hunter-Lab	41.0447, -24.6604, 11.5233

Details

The XYZ color **10.8459, 16.8467, 11.9126** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.9749, 7.7127, 10.7560**, and the grayscale version is **12.2414, 12.8789, 14.0251**.

A 20% lighter version of the original color is **26.9370, 37.8860, 29.9378**, and **3.1423, 5.6159, 3.1089** is the 20% darker color. If you saturate the color by 10%, you get **10.0247, 16.4542, 10.5015**, and if you desaturate by 10%, it is **11.8707, 17.3422, 13.4652**.

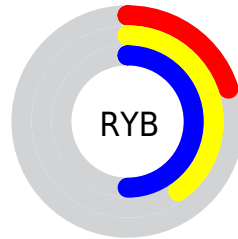
Distribution



Red (20%)

Green (50%)

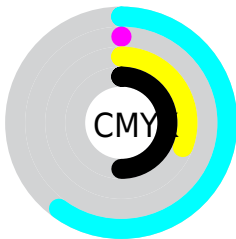
Blue (35%)



Red (20%)

Yellow (40%)

Blue (50%)

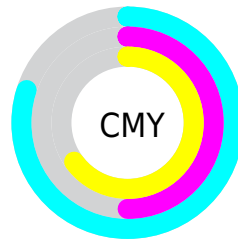


Cyan (60%)

Magenta (0%)

Yellow (31%)

Black (50%)



Cyan (80%)


Magenta (50%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.8459, 16.8467, 11.9126 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 10.8459, 16.8467, 11.9126 by changing the saturation by 10% instead.


 10.8459, 16.8467,
11.9126


 10.8459, 16.8467,
11.9126


190.5375,
234.2874, 214.7832


 6.0298, 10.1253,
6.5624


 27.0103, 38.0620,
29.9978


 2.9041, 5.4821,
3.1157

 39.0894, 53.3247,
43.5699


 1.1032, 2.5328,
1.1540

 54.3202, 72.2032,
60.7197

 0.0278, 0.8930,
0.0000

 73.0681, 95.0819,
81.8658

 0.0000, 0.0000,
0.0000

 95.6984, 122.3453,
107.4266

 122.5765,

154.3778, 137.8207

154.0677,
191.5637, 173.4667

■ 10.8459, 16.8467,
11.9126

■ 10.8459, 16.8467,
11.9126

■ 10.0247, 16.4542,
10.5015

■ 11.8707, 17.3422,
13.4652

■ 9.3902, 16.1546,
9.2265

■ 13.1118, 17.9457,
15.1621

■ 8.9246, 15.9395,
8.0834

■ 14.5823, 18.6644,
17.0075

■ 8.5754, 15.7813,
7.0807

■ 16.2936, 19.5042,
19.0052

■ 18.2567, 20.4706,
21.1585

■ 20.4818, 21.5688,
23.4711

■ 22.9783, 22.8036,
25.9460

■ 25.7554, 24.1797,
28.5866

■ 28.8216, 25.7014,
31.3959

Harmonies

Analogous

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



12.5231, 16.8467, 7.1863



10.8459, 16.8467, 11.9126



10.4620, 16.8467, 20.4061

Triad

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



10.8459, 16.8467, 11.9126



16.7172, 16.8467, 43.2197



21.7403, 16.8467, 9.5102

Complementary

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



10.8459, 16.8467, 11.9126



11.9749, 7.7127, 10.7560

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.



23.2434, 16.8467, 16.4243



10.8459, 16.8467, 11.9126



20.0959, 16.8467, 37.4217

Square

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



10.8459, 16.8467, 11.9126



13.5728, 16.8467, 40.7149



22.6034, 16.8467, 26.7504



18.7278, 16.8467, 6.1726

Rectangle

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



10.8459, 16.8467, 11.9126



10.9364, 16.8467, 27.6855



22.6034, 16.8467, 26.7504



22.4565, 16.8467, 11.3817

Sweetspot

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



10.8463, 16.8474, 11.9130



29.2556, 34.6189, 34.1003



12.7376, 17.9568, 5.9270



6.6584, 8.0113, 7.7684



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.



10.8463, 16.8474, 11.9130



17.2222, 28.7665, 17.6758



12.8144, 17.6346, 22.2766



4.3554, 4.8505, 5.0426



8.5035, 15.6480, 7.0244



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.9749, 7.7127, 10.7560



19.3951, 11.1576, 15.4326



10.7422, 7.2196, 4.2646



4.4138, 4.3787, 4.9833



9.8174, 4.9467, 5.6282



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.8459, 16.8467, 11.9126 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 10.8459, 16.8467, 11.9126 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 10.8459, 16.8467, 11.9126

Background



This preview shows how black text looks on a background with the XYZ color 10.8459, 16.8467, 11.9126.



This preview shows how white text looks on a background with the XYZ color 10.8459, 16.8467,

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

10.8459, 16.8467, 11.9126

Protanopia

15.4542, 16.5570, 10.3639

Deuteranopia

16.9161, 16.6155, 12.4408



Tritanopia

13.3044, 16.7088, 24.3537

Trichromacy



Original Color

10.8459, 16.8467, 11.9126

Protanomaly

12.9025, 16.0838, 10.8119

Deuteranomaly

13.7272, 16.1297, 12.2874

Tritanomaly

12.2235, 16.6369, 19.0900

Monochromacy



Original Color

10.8459, 16.8467, 11.9126

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.1669, 13.7902, 13.1396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8459, 16.8467, 11.9126 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(51, 128, 88)` looks like.

```
.text, #text, p{  
    color:rgb(51, 128, 88)  
}
```

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(51, 128, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 128, 88) }
```

Border

The CSS property to change the border of an element to XYZ 10.8459, 16.8467, 11.9126 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(51, 128, 88) }
```


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

```
.border{ border-color:rgb(51, 128, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 128, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 128, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 128, 88);  
box-shadow:4px 4px 4px 4px rgb(51, 128,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 10.8459, 16.8467, 11.9126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 128, 88) }
```

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

```
.background{ background-color: rgb(51, 128,  
88) }
```

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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