

Converting Colors

XYZ(10.4245, 14.8866, 8.4283)

Have a look what the booklet for
XYZ(10.4245, 14.8866, 8.4283)
contains.

XYZ(10.3958, 14.8412, 8.4476)	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(10.3958, 14.8412,
8.4476)**

Conversions

Conversions Part 1

Format	Color
Hex	497648
RGB	73, 118, 72
RGB Percent	29%, 46%, 28%
CMY	0.7137, 0.5372, 0.7176
CMYK	0.38, 0.00, 0.39, 0.54
HSL	119°, 24%, 37%
HSV	119°, 39%, 46%
XYZ	10.3958, 14.8412, 8.4476
YIQ	99.3010, -12.0540, -23.8460

Conversions

Conversions Part 2

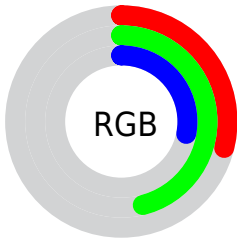
Format	Color
RYB	72, 118, 117
Decimal	4814408
CIELab	45.42, -25.61, 20.59
CIElCh	45, 32.857, 141.200
Yxy	14.8412, 0.3086, 0.4406
Android (android.graphics.Color)	4283004488 (0xFF497648)
YUV	99.3010, -13.4594, -23.0660
Hunter-Lab	38.5243, -19.2492, 13.9659

Details

The XYZ color **10.3958, 14.8412, 8.4476** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **12.9241, 9.7251, 18.3362**, and the grayscale version is **11.9711, 12.5946, 13.7155**.

A 20% lighter version of the original color is **26.1381, 34.4150, 23.3543**, and **2.7026, 4.5296, 1.7688** is the 20% darker color. If you saturate the color by 10%, you get **9.2524, 14.2925, 6.5740**, and if you desaturate by 10%, it is **11.7763, 15.5045, 10.7188**.

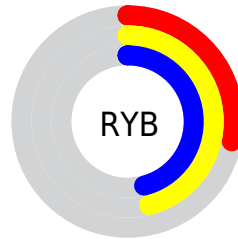
Distribution



Red (29%)

Green (46%)

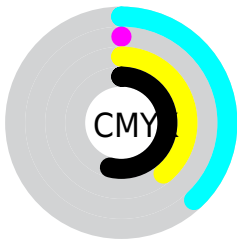
Blue (28%)



Red (28%)

Yellow (46%)

Blue (46%)

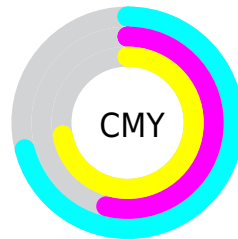


Cyan (38%)

Magenta (0%)

Yellow (39%)

Black (54%)



Cyan (71%)

Magenta (54%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3958, 14.8412, 8.4476 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 10.3958, 14.8412, 8.4476 by changing the saturation by 10% instead.

■ 10.3958, 14.8412,
8.4476

■ 10.3958, 14.8412,
8.4476

187.4693,
222.4030, 189.2656

■ 5.7264, 8.7080,
4.2908

■ 26.1803, 34.5744,
23.3918

■ 2.7185, 4.5512,
1.7862

■ 38.0262, 48.9431,
35.0164

■ 1.0067, 1.9864,
0.4188

■ 52.9949, 66.8259,
49.9673

■ 0.0000, 0.5996,
0.0000

■ 71.4519, 88.6070,
68.6630

■ 0.0000, 0.0000,
0.0000

■ 93.7625, 114.6708,
91.5222

120.2920,

145.4019, 118.9633

151.4058,
181.1845, 151.4049

■ 10.3958, 14.8412,
8.4476

■ 10.3958, 14.8412,
8.4476

■ 9.2524, 14.2925,
6.5740

■ 11.7763, 15.5045,
10.7188

■ 8.3316, 13.8501,
5.0741

■ 13.4049, 16.2862,
13.4075

■ 7.6194, 13.5076,
3.9232

■ 15.2935, 17.1926,
16.5335

■ 7.0994, 13.2574,
3.0932

■ 17.4526, 18.2286,
20.1151

■ 6.7530, 13.0904,
2.5516

■ 19.8924, 19.3991,
24.1696

■ 6.5321, 12.9842,
2.1964

■ 22.6223, 20.7088,
28.7132

■ 6.5108, 12.9740,
2.1611

■ 25.6516, 22.1618,
33.7615

■ 28.9889, 23.7625,
39.3293

■ 32.6426, 25.5148,
45.4310

Harmonies

Analogous

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



12.2906, 14.8412, 5.8008



10.3958, 14.8412, 8.4476



9.5261, 14.8412, 13.9658

Triad

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



10.3958, 14.8412, 8.4476



13.3177, 14.8412, 36.0499



19.5917, 14.8412, 11.3072

Complementary

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



10.3958, 14.8412, 8.4476



12.9241, 9.7251, 18.3362

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.



19.9595, 14.8412, 18.5718



10.3958, 14.8412, 8.4476



16.0921, 14.8412, 34.6330

Square

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



10.3958, 14.8412, 8.4476



11.0642, 14.8412, 30.9467



18.6084, 14.8412, 27.5369



17.6600, 14.8412, 7.0426

Rectangle

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



10.3958, 14.8412, 8.4476



9.5555, 14.8412, 19.2611



18.6084, 14.8412, 27.5369



19.9114, 14.8412, 13.4102

Sweetspot

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



10.3962, 14.8418, 8.4479



25.7370, 29.6757, 27.1605



14.9409, 16.9188, 8.6093



5.8445, 6.7880, 6.1240



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



10.3962, 14.8418, 8.4479



16.4165, 25.2011, 11.8014



11.1479, 15.1338, 12.7986



3.6473, 4.1017, 3.9418



7.0420, 14.0347, 2.3378



34.2225, 68.3441, 11.3880

Inverse Universe

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



12.9241, 9.7251, 18.3362



21.5427, 14.8194, 31.8620



11.9250, 9.3410, 12.3704



3.8192, 3.7541, 4.6136



11.2474, 5.3896, 18.9901



54.7109, 26.2130, 92.5363

Previews

White Background



This preview shows how the XYZ color 10.3958, 14.8412, 8.4476 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 10.3958, 14.8412, 8.4476 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 10.3958, 14.8412, 8.4476

Background



This preview shows how black text looks on a background with the XYZ color 10.3958, 14.8412, 8.4476.



This preview shows how white text looks on a background with the XYZ color 10.3958, 14.8412,

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

10.3958, 14.8412, 8.4476

Protanopia

13.6372, 14.7147, 7.5903

Deuteranopia

14.9072, 14.7343, 8.8958



Tritanopia

12.7250, 14.7627, 20.2680

Trichromacy



Original Color

10.3958, 14.8412, 8.4476

Protanomaly

12.1254, 14.5653, 7.8025

Deuteranomaly

12.6960, 14.3589, 8.7590

Tritanomaly

11.6899, 14.6762, 15.0486

Monochromacy



Original Color

10.3958, 14.8412, 8.4476

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.1737, 13.2030, 11.4107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3958, 14.8412, 8.4476 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(73, 118, 72)` looks like.

```
.text, #text, p{  
    color:rgb(73, 118, 72)  
}
```

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(73, 118, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 118, 72) }
```

Border

The CSS property to change the border of an element to XYZ 10.3958, 14.8412, 8.4476 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(73, 118, 72) }
```


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

```
.border{ border-color:rgb(73, 118, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 118, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 118, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 118, 72);  
box-shadow:4px 4px 4px 4px rgb(73, 118,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3958, 14.8412, 8.4476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 118, 72) }
```

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

```
.background{ background-color: rgb(73, 118,  
72) }
```

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