

Converting Colors

XYZ(38.4780, 34.5819, 11.9132)

Have a look what the booklet for
XYZ(38.4780, 34.5819, 11.9132)
contains.

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Color

**XYZ(38.4998, 34.4936,
11.8365)**

Conversions

Conversions Part 1

Format	Color
Hex	D4904E
RGB	212, 144, 78
RGB Percent	83%, 56%, 31%
CMY	0.1686, 0.4353, 0.6941
CMYK	0.00, 0.32, 0.63, 0.17
HSL	30°, 61%, 57%
HSV	30°, 63%, 83%
XYZ	38.4998, 34.4936, 11.8365
YIQ	156.8080, 61.7140, -6.1100

Conversions

Conversions Part 2

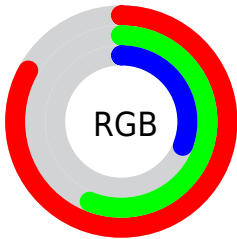
Format	Color
R_{YB}	212, 208, 78
Decimal	13930574
CIE _{Lab}	65.35, 19.29, 44.81
CIE _{LCh}	65, 48.788, 66.706
Yxy	34.4936, 0.4538, 0.4066
Android (android.graphics.Color)	4292120654 (0xFFD4904E)
YUV	156.8080, -38.8523, 48.4034
Hunter-Lab	58.7313, 14.2315, 29.1628

Details

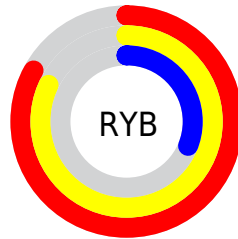
The XYZ color **38.4998, 34.4936, 11.8365** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **25.3039, 26.9297, 66.1514**, and the grayscale version is **32.1120, 33.7843, 36.7911**.

A 20% lighter version of the original color is **65.3965, 63.2331, 29.5273**, and **17.2730, 14.6897, 3.0874** is the 20% darker color. If you saturate the color by 10%, you get **36.3064, 31.1336, 7.9409**, and if you desaturate by 10%, it is **41.0950, 38.2656, 17.0751**.

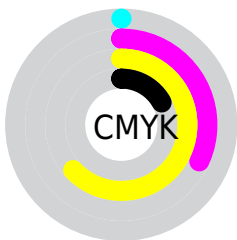
Distribution



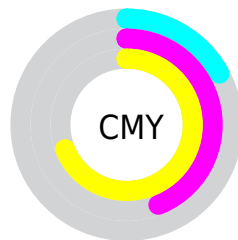
- Red (83%)
- Green (56%)
- Blue (31%)



- Red (83%)
- Yellow (82%)
- Blue (31%)



- Cyan (0%)
- Magenta (32%)
- Yellow (63%)
- Black (17%)





- Cyan (17%)
- Magenta (44%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4998, 34.4936, 11.8365 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 38.4998, 34.4936, 11.8365 by changing the saturation by 10% instead.


 38.4998, 34.4936,
11.8365


 38.4998, 34.4936,
11.8365


331.0031,
322.3274, 214.2592


 26.5498, 23.2731,
6.5113


 72.1725, 66.7005,
29.8569


 17.3702, 14.7953,
3.0846


 94.6260, 88.4557,
43.3891


 10.5957, 8.6758,
1.1380


 121.3113,
114.4912, 60.4941

 5.8610, 4.5303,
0.0000

 152.5938,
145.1914, 81.5904

 2.8006, 1.9744,
0.0000

 188.8389,
180.9408, 107.0965

 1.0492, 0.5926,
0.0000

230.4119,

 0.0000, 0.0000,

222.1236, 137.4310

0.0000

277.6781,
269.1244, 173.0124

■ 38.4998, 34.4936,
11.8365

■ 38.4998, 34.4936,
11.8365

■ 36.3064, 31.1336,
7.9409

■ 41.0950, 38.2656,
17.0751

■ 34.4836, 28.1619,
5.2557

■ 44.1151, 42.4613,
23.7682

■ 32.9981, 25.5594,
3.6242

■ 47.5838, 47.0978,
32.0176

■ 32.1445, 23.9835,
2.9351

■ 51.5222, 52.1899,
41.9154

■ 55.9499, 57.7513,
53.5466

■ 60.8853, 63.7950,
66.9900

■ 66.3458, 70.3337,
82.3198

■ 72.3477, 77.3794,
99.6058

■ 76.6040, 84.0225,
106.7882

Harmonies

Analogous

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



45.0253, 34.4936, 18.6653



38.4998, 34.4936, 11.8365



31.2129, 34.4936, 10.5323

Triad

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



38.4998, 34.4936, 11.8365



20.9858, 34.4936, 42.3227



41.6635, 34.4936, 78.5539

Complementary

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



38.4998, 34.4936, 11.8365



25.3039, 26.9297, 66.1514

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.



34.4093, 34.4936, 91.4750



38.4998, 34.4936, 11.8365



22.9924, 34.4936, 66.1903

Square

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



38.4998, 34.4936, 11.8365



21.7539, 34.4936, 24.0936



27.6659, 34.4936, 86.2792



47.0288, 34.4936, 55.2852

Rectangle

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



38.4998, 34.4936, 11.8365



27.0117, 34.4936, 12.2991



27.6659, 34.4936, 86.2792



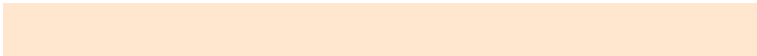
39.3277, 34.4936, 84.5734

Sweetspot

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



38.5006, 34.4953, 11.8372



80.8600, 82.5680, 70.4189



35.1606, 21.5600, 30.0085



16.9027, 17.1612, 14.0202



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



38.5006, 34.4953, 11.8372



54.0874, 45.5984, 10.3938



51.5154, 60.5250, 16.1754



12.9233, 13.4209, 13.0701



19.9444, 15.0060, 1.8453



1.2857, 1.0706, 0.1389

Inverse Universe

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



25.3039, 26.9297, 66.1514



32.4779, 33.2006, 99.3043



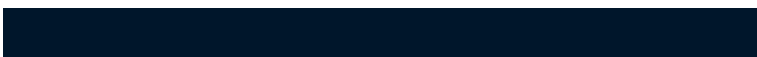
17.9116, 12.1451, 63.6873



12.2583, 13.0399, 15.8084



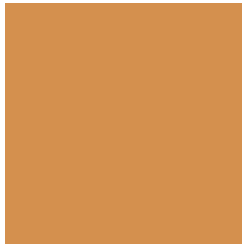
10.7198, 9.7015, 39.7607



0.7293, 0.7507, 2.4258

Previews

White Background



This preview shows how the XYZ color 38.4998, 34.4936, 11.8365 looks on a white background.

Color Contrast Check

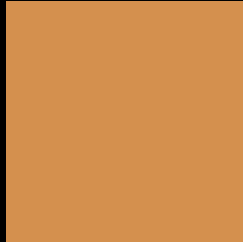
Large Text (above 18pt) WCAG AA × Fail

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 38.4998, 34.4936, 11.8365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

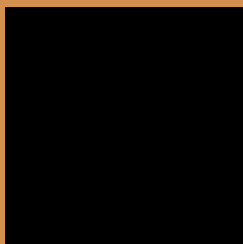
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4998, 34.4936, 11.8365

Background



This preview shows how black text looks on a background with the XYZ color 38.4998, 34.4936, 11.8365.



This preview shows how white text looks on a background with the XYZ color 38.4998, 34.4936,

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

38.4998, 34.4936, 11.8365

Protanopia

31.6387, 34.5348, 13.1820

Deuteranopia

35.1361, 34.3908, 11.6237



Tritanopia

42.6077, 34.4354, 31.5951

Trichromacy



Original Color

38.4998, 34.4936, 11.8365

Protanomaly

33.7798, 34.3966, 12.6434

Deuteranomaly

36.2866, 34.2722, 11.7239

Tritanomaly

40.7081, 34.2928, 22.5628

Monochromacy



Original Color

38.4998, 34.4936, 11.8365

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.2560, 33.3621, 25.1088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4998, 34.4936, 11.8365 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(212, 144, 78)` looks like.

```
.text, #text, p{  
    color:rgb(212, 144, 78)  
}
```

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(212, 144, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 144, 78) }
```

Border

The CSS property to change the border of an element to XYZ 38.4998, 34.4936, 11.8365 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(212, 144, 78) }
```


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

```
.border{ border-color:rgb(212, 144, 78) }
```

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

Here you see how a box with a 4 pixel rgb(212, 144, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 144, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 144, 78);  
box-shadow:4px 4px 4px 4px rgb(212, 144,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4998, 34.4936, 11.8365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 144, 78) }
```

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

```
.background{ background-color: rgb(212,  
144, 78) }
```

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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