

Converting Colors

XYZ(49.0998, 45.4156, 12.4816)

Have a look what the booklet for
XYZ(49.0998, 45.4156, 12.4816)
contains.

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Color

**XYZ(49.0998, 45.4156,
12.4816)**

Conversions

Conversions Part 1

Format	Color
Hex	EBA649
RGB	235, 166, 73
RGB Percent	92%, 65%, 29%
CMY	0.0784, 0.3490, 0.7137
CMYK	0.00, 0.29, 0.69, 0.08
HSL	34°, 80%, 60%
HSV	34°, 69%, 92%
XYZ	49.0998, 45.4156, 12.4816
YIQ	176.0290, 70.9770, -14.2950

Conversions

Conversions Part 2

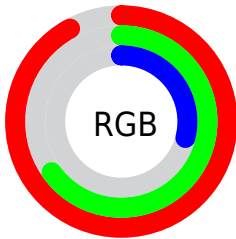
Format	Color
RYB	193, 235, 73
Decimal	15443529
CIELab	73.16, 16.86, 56.58
CIELCh	73, 59.036, 73.406
Yxy	45.4156, 0.4589, 0.4245
Android (android.graphics.Color)	4293633609 (0xFFEBA649)
YUV	176.0290, -50.7933, 51.7176
Hunter-Lab	67.3911, 12.1171, 36.1926

Details

The XYZ color **49.0998, 45.4156, 12.4816** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **27.4156, 26.7596, 82.3171**, and the grayscale version is **41.5137, 43.6757, 47.5628**.

A 20% lighter version of the original color is **70.8623, 74.4793, 30.3798**, and **23.7977, 21.1891, 3.3659** is the 20% darker color. If you saturate the color by 10%, you get **46.7139, 41.6643, 8.5416**, and if you desaturate by 10%, it is **51.9236, 49.5724, 18.0199**.

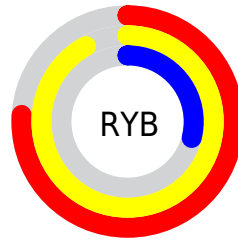
Distribution



Red (92%)

Green (65%)

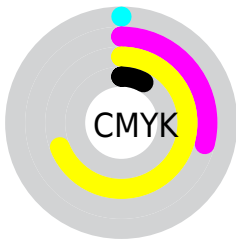
Blue (29%)



Red (76%)

Yellow (92%)

Blue (29%)

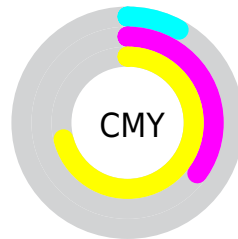


Cyan (0%)

Magenta (29%)

Yellow (69%)

Black (8%)



Cyan (8%)


Magenta (35%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0998, 45.4156, 12.4816 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 49.0998, 45.4156, 12.4816 by changing the saturation by 10% instead.


 49.0998, 45.4156,
12.4816

 49.0998, 45.4156,
12.4816


373.6455,
368.4542, 218.6579

 34.9135, 31.7849,
6.9461


 88.0395, 83.3437,
31.0467

 23.7625, 21.1973,
3.3504


 113.5236,
108.4099, 44.9133


 15.2813, 13.2683,
1.2762


 143.5044,
138.0568, 62.3940

 9.1046, 7.6135,
0.0422

 178.3472,
172.6686, 83.9073

 4.8672, 3.8487,
0.0000

 218.4173,
212.6299, 109.8718

 2.2035, 1.5893,
0.0000

264.0802,

 0.7446, 0.3504,

258.3250, 140.7061

0.0000

315.7011,
310.1383, 176.8286

■ 0.0000, 0.0000,
0.0000

■ 49.0998, 45.4156,
12.4816

■ 49.0998, 45.4156,
12.4816

■ 46.7139, 41.6643,
8.5416

■ 51.9236, 49.5724,
18.0199

■ 44.7245, 38.2912,
6.0111

■ 55.2149, 54.1458,
25.3112


■ 43.0760, 35.2705,
4.6094


■ 59.0040, 59.1547,
34.4949


■ 42.9129, 34.9663,
4.4874


■ 63.3171, 64.6142,
45.6951

■ 68.1784, 70.5385,
59.0257

 73.6106, 76.9410,
74.5915

 79.6348, 83.8346,
92.4908

 85.2891, 90.8387,
107.6461

 88.0708, 96.4021,
108.5734

Harmonies

Analogous

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



59.2902, 45.4156, 19.7245



49.0998, 45.4156, 12.4816



38.7165, 45.4156, 12.1569

Triad

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



49.0998, 45.4156, 12.4816



26.5637, 45.4156, 63.8691



58.3287, 45.4156, 103.4579

Complementary

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



49.0998, 45.4156, 12.4816



27.4156, 26.7596, 82.3171

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.



47.9443, 45.4156, 128.1444



49.0998, 45.4156, 12.4816



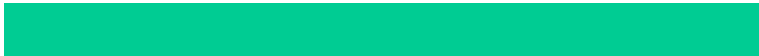
30.2675, 45.4156, 99.8355

Square

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



49.0998, 45.4156, 12.4816



26.7714, 45.4156, 34.8995



37.7309, 45.4156, 126.6032



65.1735, 45.4156, 67.5687

Rectangle

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



49.0998, 45.4156, 12.4816



33.1144, 45.4156, 15.5094



37.7309, 45.4156, 126.6032



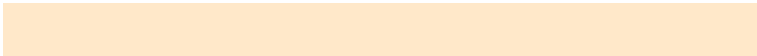
55.0703, 45.4156, 113.8809

Sweetspot

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



49.1008, 45.4179, 12.4825



80.7467, 83.3204, 67.3629



41.6167, 24.4168, 28.5862



16.9300, 17.4058, 13.4434



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.



49.1008, 45.4179, 12.4825



55.1123, 48.2967, 8.7368



61.7133, 75.7767, 17.6776



15.7835, 16.4900, 15.8697



24.0123, 19.7188, 2.5405



1.9806, 1.7385, 0.2312

Inverse Universe

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



27.4156, 26.7596, 82.3171



27.5158, 24.6508, 97.9156



21.0166, 12.6393, 79.9289



14.7586, 15.6036, 19.1562



11.0071, 8.6611, 44.8346



0.9579, 0.8673, 3.5518

Previews

White Background



This preview shows how the XYZ color 49.0998, 45.4156, 12.4816 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 49.0998, 45.4156, 12.4816 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 49.0998, 45.4156, 12.4816

Background



This preview shows how black text looks on a background with the XYZ color 49.0998, 45.4156, 12.4816.



This preview shows how white text looks on a background with the XYZ color 49.0998, 45.4156,

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

49.0998, 45.4156, 12.4816

Protanopia

41.4802, 45.4577, 13.6091

Deuteranopia

46.4731, 45.4410, 12.4525



Tritanopia

55.2320, 45.3049, 42.8795

Trichromacy



Original Color

49.0998, 45.4156, 12.4816

Protanomaly

44.0751, 45.3279, 13.2636

Deuteranomaly

47.3526, 45.3378, 12.3862

Tritanomaly

52.4010, 45.1858, 28.1502

Monochromacy



Original Color

49.0998, 45.4156, 12.4816

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

42.4387, 43.2394, 30.5354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0998, 45.4156, 12.4816 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(235, 166, 73)` looks like.

```
.text, #text, p{  
    color:rgb(235, 166, 73)  
}
```

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(235, 166, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 166, 73) }
```

Border

The CSS property to change the border of an element to XYZ 49.0998, 45.4156, 12.4816 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(235, 166, 73) }
```


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

```
.border{ border-color:rgb(235, 166, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 166, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 166, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 166, 73);  
box-shadow:4px 4px 4px 4px rgb(235, 166,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0998, 45.4156, 12.4816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 166, 73) }
```

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

```
.background{ background-color: rgb(235,  
166, 73) }
```

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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