

Converting Colors

XYZ(50.4300, 46.3554, 12.5892)

Have a look what the booklet for
XYZ(50.4300, 46.3554, 12.5892)
contains.

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Color

**XYZ(50.2812, 46.2956,
12.5892)**

Conversions

Conversions Part 1

Format	Color
Hex	EEA749
RGB	238, 167, 73
RGB Percent	93%, 65%, 29%
CMY	0.0667, 0.3451, 0.7137
CMYK	0.00, 0.30, 0.69, 0.07
HSL	34°, 83%, 61%
HSV	34°, 69%, 93%
XYZ	50.2812, 46.2956, 12.5892
YIQ	177.5130, 72.4900, -14.1820

Conversions

Conversions Part 2

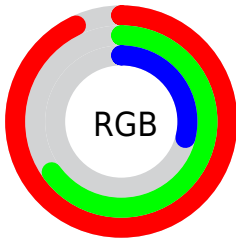
Format	Color
RYB	198, 238, 73
Decimal	15640393
CIELab	73.74, 17.59, 57.29
CIELCh	74, 59.924, 72.935
Yxy	46.2956, 0.4606, 0.4241
Android (android.graphics.Color)	4293830473 (0xFFEEA749)
YUV	177.5130, -51.5249, 53.0471
Hunter-Lab	68.0409, 12.8373, 36.6585

Details

The XYZ color **50.2812, 46.2956, 12.5892** 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 **28.1530, 27.5348, 84.7193**, and the grayscale version is **42.2973, 44.5001, 48.4606**.

A 20% lighter version of the original color is **71.1272, 75.0089, 30.4680**, and **24.5844, 21.7639, 3.3953** is the 20% darker color. If you saturate the color by 10%, you get **47.8358, 42.4354, 8.5979**, and if you desaturate by 10%, it is **53.1791, 50.5783, 18.2209**.

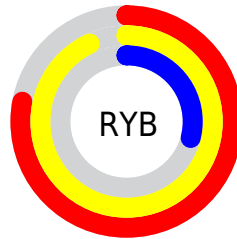
Distribution



Red (93%)

Green (65%)

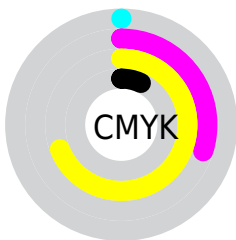
Blue (29%)



Red (78%)

Yellow (93%)

Blue (29%)

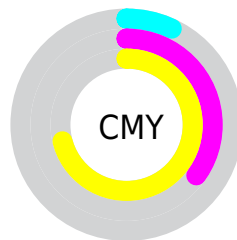


Cyan (0%)

Magenta (30%)

Yellow (69%)

Black (7%)



Cyan (7%)

Magenta (35%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.2812, 46.2956, 12.5892 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 50.2812, 46.2956, 12.5892 by changing the saturation by 10% instead.

50.2812, 46.2956,
12.5892

50.2812, 46.2956,
12.5892

378.1984,
371.9958, 219.3824

35.8556, 32.4791,
7.0189

89.7807, 84.6612,
31.2441

24.4923, 21.7277,
3.3953

115.5853,
109.9792, 45.1657

15.8259, 13.6570,
1.2998

145.9136,
139.8997, 62.7082

9.4911, 7.8825,
0.0617

181.1310,
174.8073, 84.2901

5.1225, 4.0198,
0.0000

221.6029,
215.0863, 110.3299

2.3548, 1.6847,
0.0000

267.6945,

0.8225, 0.4137,

261.1212, 141.2462

0.0000

319.7712,
313.2962, 177.4575

■ 0.0000, 0.0000,
0.0000

■ 50.2812, 46.2956,
12.5892

■ 50.2812, 46.2956,
12.5892

■ 47.8358, 42.4354,
8.5979

■ 53.1791, 50.5783,
18.2209

■ 45.7996, 38.9692,
6.0506

■ 56.5604, 55.2955,
25.6538


■ 44.1129, 35.8694,
4.6445


■ 60.4564, 60.4667,
35.0321


■ 44.0070, 35.6716,
4.5659


■ 64.8945, 66.1079,
46.4847

■ 69.8999, 72.2339,
60.1291

 75.4958, 78.8587,
76.0742

 81.7044, 85.9958,
94.4214

 87.1635, 93.1048,
107.9848

 89.0697, 96.9170,
108.6201

Harmonies

Analogous

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



60.7379, 46.2956, 20.1120



50.2812, 46.2956, 12.5892



39.5818, 46.2956, 12.1608

Triad

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



50.2812, 46.2956, 12.5892



26.9286, 46.2956, 64.6876



59.4547, 46.2956, 106.5977

Complementary

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



50.2812, 46.2956, 12.5892



28.1530, 27.5348, 84.7193

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.



48.7408, 46.2956, 131.7512



50.2812, 46.2956, 12.5892



30.6638, 46.2956, 101.7545

Square

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



50.2812, 46.2956, 12.5892



27.2046, 46.2956, 35.0994



38.2697, 46.2956, 129.6887



66.5915, 46.2956, 69.6239

Rectangle

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



50.2812, 46.2956, 12.5892



33.7940, 46.2956, 15.4985



38.2697, 46.2956, 129.6887



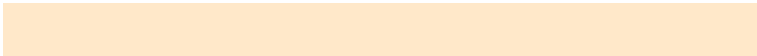
56.0842, 46.2956, 117.2761

Sweetspot

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



50.2823, 46.2979, 12.5901



80.6807, 83.1885, 67.3409



42.7149, 24.9715, 29.1556



16.9143, 17.3744, 13.4381



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.



50.2823, 46.2979, 12.5901



54.9461, 47.9642, 8.6813



63.4554, 77.9606, 18.0073



16.5203, 17.2538, 16.6093



24.6827, 20.1634, 2.5910



2.1520, 1.8746, 0.2484

Inverse Universe

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



28.1530, 27.5348, 84.7193



27.6438, 24.9067, 97.9582



21.4717, 12.8234, 82.2319



15.4566, 16.3472, 20.0623



11.4056, 9.0355, 46.2708



1.0457, 0.9455, 3.8816

Previews

White Background



This preview shows how the XYZ color 50.2812, 46.2956, 12.5892 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 50.2812, 46.2956, 12.5892 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 50.2812, 46.2956, 12.5892

Background



This preview shows how black text looks on a background with the XYZ color 50.2812, 46.2956, 12.5892.



This preview shows how white text looks on a background with the XYZ color 50.2812, 46.2956,

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

50.2812, 46.2956, 12.5892

Protanopia

42.4246, 46.5483, 13.7699

Deuteranopia

47.4449, 46.5108, 12.4381



Tritanopia

56.5266, 46.2116, 43.4766

Trichromacy



Original Color

50.2812, 46.2956, 12.5892

Protanomaly

45.0510, 46.4132, 13.4217

Deuteranomaly

48.3657, 46.4167, 12.5411

Tritanomaly

53.6659, 46.0882, 28.6217

Monochromacy



Original Color

50.2812, 46.2956, 12.5892

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

43.6891, 44.4449, 31.0870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2812, 46.2956, 12.5892 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(238, 167, 73)` looks like.

```
.text, #text, p{  
    color:rgb(238, 167, 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(238, 167, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 167, 73) }
```

Border

The CSS property to change the border of an element to XYZ 50.2812, 46.2956, 12.5892 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(238, 167, 73) }
```


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

```
.border{ border-color:rgb(238, 167, 73) }
```

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

Here you see how a box with a 4 pixel rgb(238, 167, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 167, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 167, 73);  
box-shadow:4px 4px 4px 4px rgb(238, 167,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2812, 46.2956, 12.5892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 167, 73) }
```

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

```
.background{ background-color: rgb(238,  
167, 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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