

Converting Colors

XYZ(45.5128, 41.6169, 11.1907)

Have a look what the booklet for
XYZ(45.5128, 41.6169, 11.1907)
contains.

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Color

**XYZ(45.4672, 41.7199,
11.2866)**

Conversions

Conversions Part 1

Format	Color
Hex	E49F45
RGB	228, 159, 69
RGB Percent	89%, 62%, 27%
CMY	0.1059, 0.3764, 0.7294
CMYK	0.00, 0.30, 0.70, 0.11
HSL	34°, 75%, 58%
HSV	34°, 70%, 89%
XYZ	45.4672, 41.7199, 11.2866
YIQ	169.3710, 70.0140, -13.3620

Conversions

Conversions Part 2

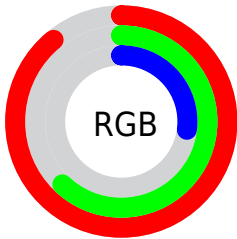
Format	Color
RYB	191, 228, 69
Decimal	14982981
CIELab	70.68, 17.43, 55.49
CIELCh	71, 58.167, 72.561
Yxy	41.7199, 0.4617, 0.4237
Android (android.graphics.Color)	4293173061 (0xFFE49F45)
YUV	169.3710, -49.4829, 51.4176
Hunter-Lab	64.5909, 12.6165, 34.8533

Details

The XYZ color **45.4672, 41.7199, 11.2866** 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 **25.5458, 25.0425, 76.8855**, and the grayscale version is **38.1103, 40.0950, 43.6634**.

A 20% lighter version of the original color is **68.7378, 70.7336, 28.1192**, and **21.5714, 19.0741, 2.8613** is the 20% darker color. If you saturate the color by 10%, you get **43.2571, 38.2233, 7.7037**, and if you desaturate by 10%, it is **48.0872, 45.6018, 16.3476**.

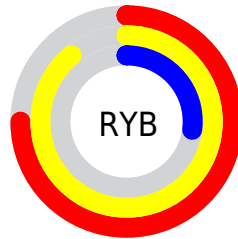
Distribution



Red (89%)

Green (62%)

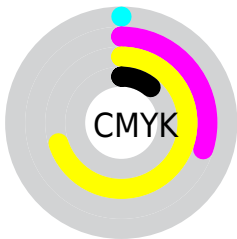
Blue (27%)



Red (75%)

Yellow (89%)

Blue (27%)

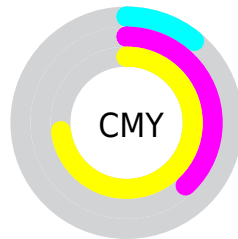


Cyan (0%)

Magenta (30%)

Yellow (70%)

Black (11%)



Cyan (11%)

Magenta (38%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4672, 41.7199, 11.2866 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 45.4672, 41.7199, 11.2866 by changing the saturation by 10% instead.

45.4672, 41.7199,
11.2866

45.4672, 41.7199,
11.2866

359.4144,
353.3205, 210.4309

32.0284, 28.8820,
6.1434

82.6538, 77.7755,
28.8336

21.5389, 18.9916,
2.8623

107.1324,
101.7621, 42.0745

13.6332, 11.6642,
1.0247

136.0215,
130.2336, 58.8517

7.9460, 6.5155,
0.0000

169.6867,
163.5746, 79.5837

4.1119, 3.1610,
0.0000

208.4932,
202.1694, 104.6891

1.7656, 1.2163,
0.0000

252.8064,

0.4968, 0.0750,

246.4024, 134.5864

0.0000

302.9917,
296.6579, 169.6941

■ 0.0000, 0.0000,
0.0000

■ 45.4672, 41.7199,
11.2866

■ 45.4672, 41.7199,
11.2866

■ 43.2571, 38.2233,
7.7037

■ 48.0872, 45.6018,
16.3476

■ 41.4178, 35.0861,
5.4213

■ 51.1451, 49.8799,
23.0322

■ 39.8912, 32.2816,
4.1458

■ 54.6693, 54.5722,
31.4707

■ 39.8534, 32.2113,
4.1169

■ 58.6846, 59.6930,
41.7795

■ 63.2138, 65.2560,
54.0650

■ 68.2781, 71.2741,
68.4253

■ 73.8973, 77.7593,
84.9522

■ 80.0903, 84.7234,
103.7316

■ 83.6268, 90.8782,
107.7414

Harmonies

Analogous

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



54.9195, 41.7199, 18.1654



45.4672, 41.7199, 11.2866



35.7605, 41.7199, 10.8310

Triad

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



45.4672, 41.7199, 11.2866



24.1838, 41.7199, 57.9652



53.5460, 41.7199, 96.7661

Complementary

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



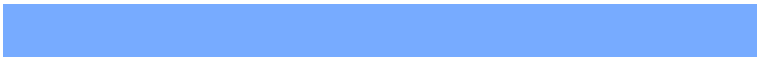
45.4672, 41.7199, 11.2866



25.5458, 25.0425, 76.8855

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.



43.8192, 41.7199, 119.3590



45.4672, 41.7199, 11.2866



27.5163, 41.7199, 91.5760

Square

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



45.4672, 41.7199, 11.2866



24.4785, 41.7199, 31.3114



34.3578, 41.7199, 117.1475



60.0776, 41.7199, 63.2490

Rectangle

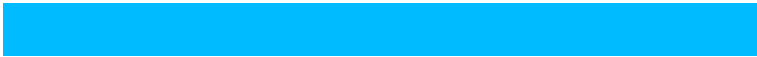
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.4672, 41.7199, 11.2866



30.4976, 41.7199, 13.7822



34.3578, 41.7199, 117.1475



50.4799, 41.7199, 106.4006

Sweetspot

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



45.4682, 41.7220, 11.2874



80.6256, 83.0782, 67.3226



38.8974, 22.6602, 27.3483



16.9011, 17.3481, 13.4338



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.



45.4682, 41.7220, 11.2874



54.5664, 47.2779, 8.3292



58.3476, 71.1395, 16.2867



15.0506, 15.7152, 15.1445



23.1330, 18.8401, 2.4173



1.8014, 1.5762, 0.2093

Inverse Universe

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



25.5458, 25.0425, 76.8855



27.4467, 24.6678, 97.9225



19.1885, 11.4338, 74.5939



14.0947, 14.9108, 18.2795



10.7721, 8.6063, 43.4766



0.8869, 0.8178, 3.2431

Previews

White Background



This preview shows how the XYZ color 45.4672, 41.7199, 11.2866 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 45.4672, 41.7199, 11.2866 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 45.4672, 41.7199, 11.2866

Background



This preview shows how black text looks on a background with the XYZ color 45.4672, 41.7199, 11.2866.



This preview shows how white text looks on a background with the XYZ color 45.4672, 41.7199,

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

45.4672, 41.7199, 11.2866

Protanopia

38.3310, 42.0906, 12.4074

Deuteranopia

42.7872, 41.9144, 11.1454



Tritanopia

51.1122, 41.5605, 39.0463

Trichromacy



Original Color

45.4672, 41.7199, 11.2866

Protanomaly

40.8113, 41.9656, 12.0801

Deuteranomaly

43.6558, 41.8274, 11.2414

Tritanomaly

48.5662, 41.4968, 25.8720

Monochromacy



Original Color

45.4672, 41.7199, 11.2866

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.9240, 39.5509, 27.7729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4672, 41.7199, 11.2866 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(228, 159, 69)` looks like.

```
.text, #text, p{  
    color:rgb(228, 159, 69)  
}
```

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(228, 159, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 159, 69) }
```

Border

The CSS property to change the border of an element to XYZ 45.4672, 41.7199, 11.2866 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(228, 159, 69) }
```


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

```
.border{ border-color:rgb(228, 159, 69) }
```

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

Here you see how a box with a 4 pixel rgb(228, 159, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 159, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 159, 69);  
box-shadow:4px 4px 4px 4px rgb(228, 159,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4672, 41.7199, 11.2866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 159, 69) }
```

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

```
.background{ background-color: rgb(228,  
159, 69) }
```

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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