

Converting Colors

XYZ(47.9373, 45.2106, 6.2000)

Have a look what the booklet for
XYZ(47.9373, 45.2106, 6.2000)
contains.

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Color

**XYZ(48.0797, 45.2996,
6.2096)**

Conversions

Conversions Part 1

Format	Color
Hex	EBA700
RGB	235, 167, 0
RGB Percent	92%, 65%, 0%
CMY	0.0784, 0.3451, 0.9999
CMYK	0.00, 0.29, 1.00, 0.08
HSL	43°, 100%, 46%
HSV	43°, 100%, 92%
XYZ	48.0797, 45.2996, 6.2096
YIQ	168.2940, 94.1350, -37.5210

Conversions

Conversions Part 2

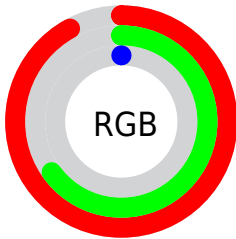
Format	Color
R _Y B	96, 235, 0
Decimal	15443712
CIE Lab	73.09, 14.39, 76.62
CIE LCh	73, 77.957, 79.363
Yxy	45.2996, 0.4828, 0.4549
Android (android.graphics.Color)	4293633792 (0xFFEBA700)
YUV	168.2940, -82.9689, 58.5012
Hunter-Lab	67.3050, 9.7288, 41.6434

Details

The XYZ color **48.0797, 45.2996, 6.2096** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **17.0631, 10.1335, 79.6534**, and the grayscale version is **37.7290, 39.6939, 43.2267**.

A 20% lighter version of the original color is **68.7726, 74.0671, 18.0688**, and **23.3643, 21.1457, 2.8501** is the 20% darker color. If you saturate the color by 10%, you get **48.0798, 45.3002, 6.2097**, and if you desaturate by 10%, it is **49.5192, 47.9233, 7.4781**.

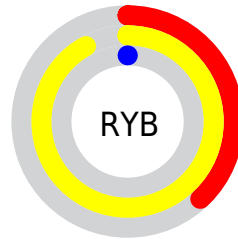
Distribution



Red (92%)

Green (65%)

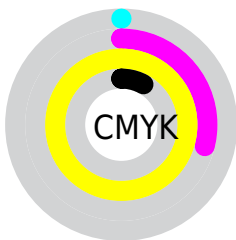
Blue (0%)



Red (38%)

Yellow (92%)

Blue (0%)

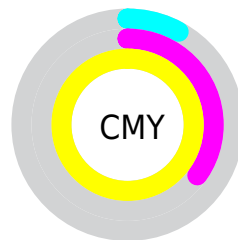


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (35%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0797, 45.2996, 6.2096 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 48.0797, 45.2996, 6.2096 by changing the saturation by 10% instead.


 48.0797, 45.2996,
6.2096


 48.0797, 45.2996,
6.2096


369.6853,
367.9856, 170.2980


 34.1015, 31.6935,
2.9021


 86.5320, 83.1698,
18.8495


 23.1349, 21.1275,
1.0449


 111.7369,
108.2027, 29.0191


 14.8144, 13.2172,
0.0000


 141.4147,
137.8133, 42.3130

 8.7747, 7.5783,
0.0000

 175.9308,
172.3860, 59.1499

 4.6504, 3.8263,
0.0000

 215.6506,
212.3051, 79.9483

 2.0763, 1.5769,
0.0000

 260.9393,

 0.6763, 0.3419,

257.9552, 105.1268

0.0000

312.1624,
309.7206, 135.1038

■ 0.0000, 0.0000,
0.0000

■ 48.0797, 45.2996,
6.2096

■ 48.0797, 45.2996,
6.2096

■ 48.0798, 45.3002,
6.2097

■ 49.5192, 47.9233,
7.4781

■ 51.2180, 50.7551,
9.7882

■ 53.2391, 53.8238,
13.4630

■ 55.6193, 57.1455,
18.6920

■ 58.3898, 60.7342,
25.6342

■ 61.5779, 64.6022,
34.4291

■ 65.2080, 68.7608,
45.2016

■ 69.3028, 73.2202,
58.0656

■ 73.8828, 77.9902,
73.1265

Harmonies

Analogous

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



62.4910, 45.2996, 11.4651



48.0797, 45.2996, 6.2096



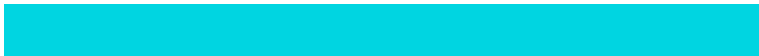
34.9337, 45.2996, 6.9826

Triad

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



48.0797, 45.2996, 6.2096



22.7524, 45.2996, 78.6485



66.1781, 45.2996, 116.1802

Complementary

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



48.0797, 45.2996, 6.2096



17.0631, 10.1335, 79.6534

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.



52.3486, 45.2996, 159.5150



48.0797, 45.2996, 6.2096



28.1366, 45.2996, 131.0802

Square

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



48.0797, 45.2996, 6.2096



22.0840, 45.2996, 36.7197



38.3949, 45.2996, 166.0709



74.3121, 45.2996, 64.5245

Rectangle

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



48.0797, 45.2996, 6.2096



28.4741, 45.2996, 11.0644



38.3949, 45.2996, 166.0709



61.9206, 45.2996, 133.1491

Sweetspot

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



48.0807, 45.3019, 6.2105



78.4268, 82.6957, 54.2115



35.3826, 18.1111, 7.5101



16.3769, 17.2377, 10.3671



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.



48.0807, 45.3019, 6.2105



57.8077, 54.3955, 7.4526



50.4479, 70.1080, 10.8738



15.9624, 16.8478, 15.9294



26.8737, 25.4417, 3.4943



2.1922, 2.1616, 0.3017

Inverse Universe

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



17.0631, 10.1335, 79.6534



20.4844, 12.0888, 95.8615



16.1683, 6.6031, 79.0191



14.5862, 15.2589, 19.0987



9.5910, 5.8289, 44.3626



0.8332, 0.6179, 3.5102

Previews

White Background



This preview shows how the XYZ color 48.0797, 45.2996, 6.2096 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 48.0797, 45.2996, 6.2096 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 48.0797, 45.2996, 6.2096

Background



This preview shows how black text looks on a background with the XYZ color 48.0797, 45.2996, 6.2096.



This preview shows how white text looks on a background with the XYZ color 48.0797, 45.2996,

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

48.0797, 45.2996, 6.2096

Protanopia

41.0291, 45.3707, 7.0104

Deuteranopia

46.0533, 45.0803, 6.2741



Tritanopia

55.6585, 45.2874, 42.3670

Trichromacy



Original Color

48.0797, 45.2996, 6.2096

Protanomaly

43.4036, 45.1267, 6.6812

Deuteranomaly

46.8211, 45.1989, 6.2565

Tritanomaly

50.9348, 44.3621, 19.5139

Monochromacy



Original Color

48.0797, 45.2996, 6.2096

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.3947, 40.2733, 19.6598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0797, 45.2996, 6.2096 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, 167, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 167, 0)  
}
```

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, 167, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 167, 0) }
```

Border

The CSS property to change the border of an element to XYZ 48.0797, 45.2996, 6.2096 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, 167, 0) }
```


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

```
.border{ border-color:rgb(235, 167, 0) }
```

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

Here you see how a box with a 4 pixel rgb(235, 167, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 167, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 167, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 167,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0797, 45.2996, 6.2096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 167, 0) }
```

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

```
.background{ background-color: rgb(235,  
167, 0) }
```

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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