

Converting Colors

XYZ(48.1566, 45.6493, 6.2731)

Have a look what the booklet for
XYZ(48.1566, 45.6493, 6.2731)
contains.

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Color

**XYZ(48.2636, 45.6674,
6.2709)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | EBA800 |
| RGB | 235, 168, 0 |
| RGB Percent | 92%, 66%, 0% |
| CMY | 0.0784, 0.3412, 0.9999 |
| CMYK | 0.00, 0.29, 1.00, 0.08 |
| HSL | 43°, 100%, 46% |
| HSV | 43°, 100%, 92% |
| XYZ | 48.2636, 45.6674, 6.2709 |
| YIQ | 168.8810, 93.8600, -38.0440 |

Conversions

Conversions Part 2

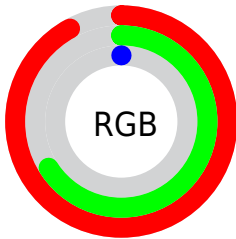
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 94, 235, 0 |
| Decimal | 15443968 |
| CIE Lab | 73.33, 13.86, 76.78 |
| CIE LCh | 73, 78.021, 79.767 |
| Yxy | 45.6674, 0.4817, 0.4558 |
| Android (android.graphics.Color) | 4293634048 (0xFFEBA800) |
| YUV | 168.8810, -83.2583, 57.9864 |
| Hunter-Lab | 67.5777, 9.2228, 41.8025 |

Details

The XYZ color **48.2636, 45.6674, 6.2709** 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 **17.0032, 10.0135, 79.6334**, and the grayscale version is **38.0215, 40.0016, 43.5618**.

A 20% lighter version of the original color is **69.0390, 74.5999, 18.1576**, and **23.4790, 21.3750, 2.8883** is the 20% darker color. If you saturate the color by 10%, you get **48.2637, 45.6680, 6.2710**, and if you desaturate by 10%, it is **49.6934, 48.2717, 7.5362**.

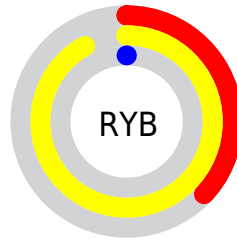
Distribution



Red (92%)

Green (66%)

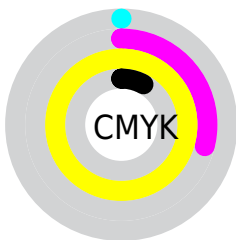
Blue (0%)



Red (37%)

Yellow (92%)

Blue (0%)

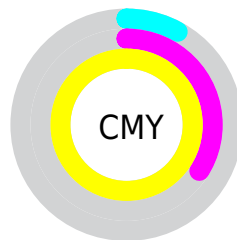


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (34%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2636, 45.6674, 6.2709 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 48.2636, 45.6674, 6.2709 by changing the saturation by 10% instead.


 48.2636, 45.6674,
6.2709

 48.2636, 45.6674,
6.2709


370.4012,
369.4699, 170.8542

 34.2478, 31.9834,
2.9391


 86.8041, 83.7210,
18.9779


 23.2478, 21.3489,
1.0636


 112.0595,
108.8595, 29.1902


 14.8983, 13.3792,
0.0000


 141.7921,
138.5848, 42.5330

 8.8339, 7.6902,
0.0000

 176.3673,
173.2816, 59.4249

 4.6892, 3.8974,
0.0000

 216.1505,
213.3341, 80.2844

 2.0990, 1.6163,
0.0000

 261.5069,

 0.6887, 0.3686,

259.1267, 105.5301

0.0000

312.8021,
311.0438, 135.5806

■ 0.0000, 0.0000,
0.0000

■ 48.2636, 45.6674,
6.2709

■ 48.2636, 45.6674,
6.2709

■ 48.2637, 45.6680,
6.2710

■ 49.6934, 48.2717,
7.5362

■ 51.3806, 51.0805,
9.8424

■ 53.3883, 54.1224,
13.5128

■ 55.7533, 57.4135,
18.7367

■ 58.5066, 60.9677,
25.6732

■ 61.6754, 64.7973,
34.4617

■ 65.2843, 68.9133,
45.2271

■ 69.3557, 73.3261,
58.0834

■ 73.9104, 78.0453,
73.1358

Harmonies

Analogous

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



62.7757, 45.6674, 11.4687



48.2636, 45.6674, 6.2709



35.0794, 45.6674, 7.1245

Triad

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



48.2636, 45.6674, 6.2709



23.0085, 45.6674, 79.9094



66.8259, 45.6674, 116.2439

Complementary

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



48.2636, 45.6674, 6.2709



17.0032, 10.0135, 79.6334

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.



52.9547, 45.6674, 160.1275



48.2636, 45.6674, 6.2709



28.4962, 45.6674, 132.6008

Square

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



48.2636, 45.6674, 6.2709



22.2730, 45.6674, 37.4716



38.8848, 45.6674, 167.3220



74.8937, 45.6674, 64.3926

Rectangle

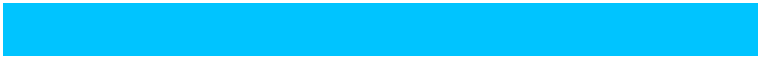
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.2636, 45.6674, 6.2709



28.6204, 45.6674, 11.3209



38.8848, 45.6674, 167.3220



62.5660, 45.6674, 133.3610

Sweetspot

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



48.2646, 45.6697, 6.2718



78.5190, 82.8800, 54.2422



35.3826, 18.1111, 7.5102



16.3990, 17.2819, 10.3745



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.



48.2646, 45.6697, 6.2718



58.0296, 54.8391, 7.5265



50.4479, 70.1080, 10.8738



15.9680, 16.8591, 15.9312



26.9752, 25.6447, 3.5282



2.1995, 2.1763, 0.3041

Inverse Universe

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



17.0032, 10.0135, 79.6334



20.4128, 11.9457, 95.8376



16.1683, 6.6031, 79.0191



14.5809, 15.2483, 19.0970



9.5566, 5.7601, 44.3511



0.8300, 0.6114, 3.5091

Previews

White Background



This preview shows how the XYZ color 48.2636, 45.6674, 6.2709 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 48.2636, 45.6674, 6.2709 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 48.2636, 45.6674, 6.2709

Background



This preview shows how black text looks on a background with the XYZ color 48.2636, 45.6674, 6.2709.



This preview shows how white text looks on a background with the XYZ color 48.2636, 45.6674,

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

48.2636, 45.6674, 6.2709

Protanopia

41.5050, 45.9168, 7.0908

Deuteranopia

46.5578, 45.6198, 6.3516



Tritanopia

55.9185, 45.6588, 42.9116

Trichromacy



Original Color

48.2636, 45.6674, 6.2709

Protanomaly

43.5990, 45.5175, 6.7463

Deuteranomaly

47.3297, 45.7384, 6.3338

Tritanomaly

51.1598, 44.7284, 19.8469

Monochromacy



Original Color

48.2636, 45.6674, 6.2709

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.8871, 40.7961, 20.0122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2636, 45.6674, 6.2709 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, 168, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 168, 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, 168, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 168, 0) }
```

Border

The CSS property to change the border of an element to XYZ 48.2636, 45.6674, 6.2709 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, 168, 0) }
```


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

```
.border{ border-color:rgb(235, 168, 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, 168, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 168, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 168, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 168,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2636, 45.6674, 6.2709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 168, 0) }
```

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

```
.background{ background-color: rgb(235,  
168, 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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