

Converting Colors

XYZ(48.7134, 45.5059, 6.2181)

Have a look what the booklet for
XYZ(48.7134, 45.5059, 6.2181)
contains.

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Color

**XYZ(48.7438, 45.6420,
6.2407)**

Conversions

Conversions Part 1

Format	Color
Hex	EDA700
RGB	237, 167, 0
RGB Percent	93%, 65%, 0%
CMY	0.0706, 0.3451, 0.9999
CMYK	0.00, 0.30, 1.00, 0.07
HSL	42°, 100%, 46%
HSV	42°, 100%, 93%
XYZ	48.7438, 45.6420, 6.2407
YIQ	168.8920, 95.3270, -37.0970

Conversions

Conversions Part 2

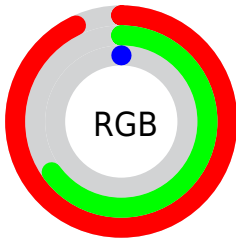
Format	Color
R_{YB}	99, 237, 0
Decimal	15574784
CIE _{Lab}	73.31, 15.25, 76.88
CIE _{LCh}	73, 78.373, 78.780
Yxy	45.6420, 0.4844, 0.4536
Android (android.graphics.Color)	4293764864 (0xFFEDA700)
YUV	168.8920, -83.2638, 59.7307
Hunter-Lab	67.5589, 10.5600, 41.8143

Details

The XYZ color **48.7438, 45.6420, 6.2407** 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 **17.4768, 10.4958, 81.2249**, and the grayscale version is **38.0266, 40.0069, 43.5676**.

A 20% lighter version of the original color is **68.7726, 74.0671, 18.0688**, and **23.8099, 21.3754, 2.8710** is the 20% darker color. If you saturate the color by 10%, you get **48.7439, 45.6426, 6.2408**, and if you desaturate by 10%, it is **50.2240, 48.3437, 7.5329**.

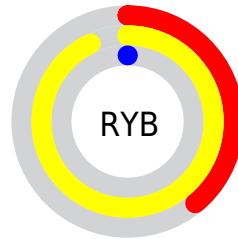
Distribution



Red (93%)

Green (65%)

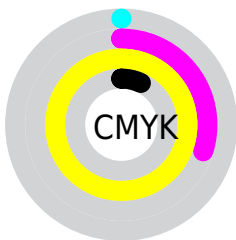
Blue (0%)



Red (39%)

Yellow (93%)

Blue (0%)

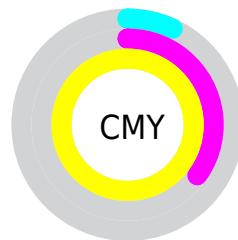


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (35%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7438, 45.6420, 6.2407 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 48.7438, 45.6420, 6.2407 by changing the saturation by 10% instead.


 48.7438, 45.6420,
6.2407


 48.7438, 45.6420,
6.2407


372.2666,
369.3675, 170.5805


 34.6300, 31.9634,
2.9208


 87.5138, 83.6830,
18.9147

 23.5432, 21.3336,
1.0544


 112.9008,
108.8141, 29.1059


 15.1180, 13.3680,
0.0000


 142.7761,
138.5316, 42.4247

 8.9891, 7.6825,
0.0000

 177.5052,
173.2198, 59.2895

 4.7911, 3.8924,
0.0000

 217.4535,
213.2631, 80.1190

 2.1587, 1.6136,
0.0000

 262.9862,

 0.7208, 0.3667,

259.0459, 105.3316

0.0000

314.4688,
310.9525, 135.3460

■ 0.0000, 0.0000,
0.0000

■ 48.7438, 45.6420,
6.2407

■ 48.7438, 45.6420,
6.2407

■ 48.7439, 45.6426,
6.2408

■ 50.2240, 48.3437,
7.5329

■ 51.9714, 51.2632,
9.8891

■ 54.0503, 54.4297,
13.6379

■ 56.4983, 57.8600,
18.9729

■ 59.3473, 61.5682,
26.0565

■ 62.6251, 65.5672,
35.0311

■ 66.3570, 69.8686,
46.0243

■ 70.5659, 74.4830,
59.1524

■ 75.2730, 79.4204,
74.5231

Harmonies

Analogous

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



63.2875, 45.6420, 11.6826



48.7438, 45.6420, 6.2407



35.3986, 45.6420, 6.9128

Triad

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



48.7438, 45.6420, 6.2407



22.8209, 45.6420, 78.3457



66.5182, 45.6420, 118.3429

Complementary

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



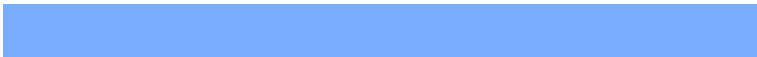
48.7438, 45.6420, 6.2407



17.4768, 10.4958, 81.2249

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.



52.4822, 45.6420, 161.7153



48.7438, 45.6420, 6.2407



28.1596, 45.6420, 131.4110

Square

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



48.7438, 45.6420, 6.2407



22.2368, 45.6420, 36.3453



38.4274, 45.6420, 167.4679



74.9055, 45.6420, 65.9719

Rectangle

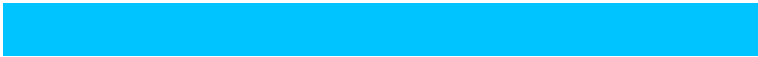
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.7438, 45.6420, 6.2407



28.8127, 45.6420, 10.9090



38.4274, 45.6420, 167.4679



62.1820, 45.6420, 135.4239

Sweetspot

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



48.7448, 45.6443, 6.2416



78.2972, 82.4365, 54.1683



36.0658, 18.4611, 7.6424



16.3458, 17.1755, 10.3568



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.



48.7448, 45.6443, 6.2416



57.4980, 53.7760, 7.3493



51.4201, 71.4640, 11.0843



15.9545, 16.8320, 15.9267



26.7319, 25.1581, 3.4471



2.1819, 2.1412, 0.2983

Inverse Universe

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



17.4768, 10.4958, 81.2249



20.5874, 12.2948, 95.8958



16.4775, 6.7289, 80.5505



14.5938, 15.2739, 19.1012



9.6404, 5.9278, 44.3790



0.8379, 0.6273, 3.5118

Previews

White Background



This preview shows how the XYZ color 48.7438, 45.6420, 6.2407 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 48.7438, 45.6420, 6.2407 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 48.7438, 45.6420, 6.2407

Background



This preview shows how black text looks on a background with the XYZ color 48.7438, 45.6420, 6.2407.



This preview shows how white text looks on a background with the XYZ color 48.7438, 45.6420,

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

48.7438, 45.6420, 6.2407

Protanopia

41.5119, 45.9196, 7.1274

Deuteranopia

46.5578, 45.6198, 6.3516



Tritanopia

56.0046, 45.4658, 42.3832

Trichromacy



Original Color

48.7438, 45.6420, 6.2407

Protanomaly

43.8990, 45.6715, 6.7889

Deuteranomaly

47.3297, 45.7384, 6.3338

Tritanomaly

51.2753, 44.5377, 19.5298

Monochromacy



Original Color

48.7438, 45.6420, 6.2407

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.9575, 40.5573, 19.9624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7438, 45.6420, 6.2407 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(237, 167, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 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(237, 167, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 167, 0) }
```

Border

The CSS property to change the border of an element to XYZ 48.7438, 45.6420, 6.2407 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(237, 167, 0) }
```


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

```
.border{ border-color:rgb(237, 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(237, 167, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 167, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 167, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 167,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7438, 45.6420, 6.2407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 167, 0) }
```

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

```
.background{ background-color: rgb(237,  
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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