

Converting Colors

XYZ(46.7032, 45.4384, 6.3090)

Have a look what the booklet for
XYZ(46.7032, 45.4384, 6.3090)
contains.

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Color

**XYZ(46.6878, 45.4075,
6.3038)**

Conversions

Conversions Part 1

Format	Color
Hex	E5AA00
RGB	229, 170, 0
RGB Percent	90%, 67%, 0%
CMY	0.1020, 0.3333, 0.9999
CMYK	0.00, 0.26, 1.00, 0.10
HSL	45°, 100%, 45%
HSV	45°, 100%, 90%
XYZ	46.6878, 45.4075, 6.3038
YIQ	168.2610, 89.7340, -40.3620

Conversions

Conversions Part 2

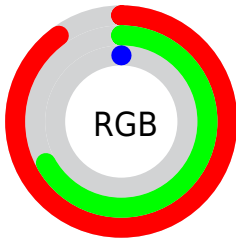
Format	Color
R _Y B	79, 229, 0
Decimal	15051264
CIE Lab	73.16, 10.20, 76.35
CIE LCh	73, 77.031, 82.389
Yxy	45.4075, 0.4745, 0.4615
Android (android.graphics.Color)	4293241344 (0xFFE5AA00)
YUV	168.2610, -82.9527, 53.2681
Hunter-Lab	67.3851, 5.7499, 41.6230

Details

The XYZ color **46.6878, 45.4075, 6.3038** 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 **15.7073, 8.7860, 74.9960**, and the grayscale version is **37.7142, 39.6783, 43.2097**.

A 20% lighter version of the original color is **69.5765, 75.6749, 18.3368**, and **22.6269, 21.2817, 2.9152** is the 20% darker color. If you saturate the color by 10%, you get **46.6879, 45.4082, 6.3039**, and if you desaturate by 10%, it is **47.9735, 47.7333, 7.4912**.

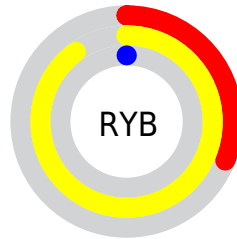
Distribution



Red (90%)

Green (67%)

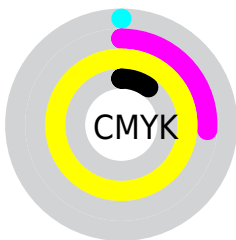
Blue (0%)



Red (31%)

Yellow (90%)

Blue (0%)

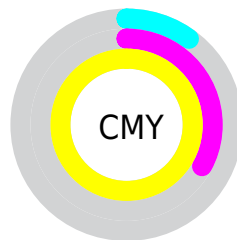


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (10%)



Cyan (10%)

Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6878, 45.4075, 6.3038 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 46.6878, 45.4075, 6.3038 by changing the saturation by 10% instead.

46.6878, 45.4075,
6.3038

46.6878, 45.4075,
6.3038

364.2367,
368.4214, 171.1518

32.9958, 31.7785,
2.9589

84.4690, 83.3316,
19.0467

22.2825, 21.1924,
1.0737

109.2889,
108.3955, 29.2818

14.1824, 13.2647,
0.0000

138.5489,
138.0398, 42.6508

8.3302, 7.6111,
0.0000

172.6143,
172.6489, 59.5721

4.3605, 3.8471,
0.0000

211.8504,
212.6072, 80.4643

1.9080, 1.5884,
0.0000

256.6226,

0.5815, 0.3498,

258.2992, 105.7460

0.0000

307.2963,
310.1091, 135.8356

■ 0.0000, 0.0000,
0.0000

■ 46.6878, 45.4075,
6.3038

■ 46.6878, 45.4075,
6.3038

■ 46.6879, 45.4082,
6.3039

■ 47.9735, 47.7333,
7.4912

■ 49.4905, 50.2301,
9.6528

■ 51.2985, 52.9247,
13.0959

■ 53.4318, 55.8319,
17.9979

■ 55.9193, 58.9641,
24.5079

■ 58.7862, 62.3324,
32.7566

■ 62.0555, 65.9468,
42.8610

■ 65.7479, 69.8166,
54.9281

■ 69.8827, 73.9504,
69.0567

Harmonies

Analogous

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



61.0135, 45.4075, 10.8425



46.6878, 45.4075, 6.3038



34.0090, 45.4075, 7.6421

Triad

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



46.6878, 45.4075, 6.3038



23.3351, 45.4075, 83.4981



67.1542, 45.4075, 110.0876

Complementary

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



46.6878, 45.4075, 6.3038



15.7073, 8.7860, 74.9960

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.



53.8173, 45.4075, 154.9219



46.6878, 45.4075, 6.3038



29.1784, 45.4075, 134.7840

Square

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



46.6878, 45.4075, 6.3038



22.2071, 45.4075, 40.2358



39.8116, 45.4075, 165.7603



74.3310, 45.4075, 59.9529

Rectangle

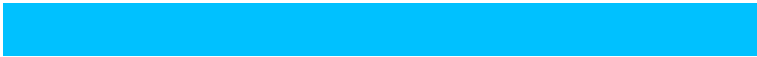
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.6878, 45.4075, 6.3038



27.9203, 45.4075, 12.3563



39.8116, 45.4075, 165.7603



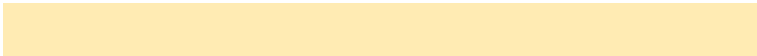
63.1251, 45.4075, 127.1599

Sweetspot

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



46.6888, 45.4098, 6.3047



79.1180, 84.0781, 54.4419



33.1574, 16.9960, 5.9589



16.5428, 17.5696, 10.4224



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.



46.6888, 45.4098, 6.3047



59.5032, 57.7864, 8.0177



45.8265, 65.2181, 10.1735



15.2708, 16.1556, 15.2179



26.7961, 26.1663, 3.6383



2.0539, 2.0812, 0.2935

Inverse Universe

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



15.7073, 8.7860, 74.9960



19.9805, 11.0809, 95.6935



15.6346, 6.4265, 74.5444



13.8832, 14.4877, 18.2090



9.0627, 5.1874, 42.9068



0.7432, 0.5304, 3.1952

Previews

White Background



This preview shows how the XYZ color 46.6878, 45.4075, 6.3038 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 46.6878, 45.4075, 6.3038 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 46.6878, 45.4075, 6.3038

Background



This preview shows how black text looks on a background with the XYZ color 46.6878, 45.4075, 6.3038.



This preview shows how white text looks on a background with the XYZ color 46.6878, 45.4075,

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

46.6878, 45.4075, 6.3038

Protanopia

41.0225, 45.3681, 6.9756

Deuteranopia

46.5578, 45.6198, 6.3516



Tritanopia

54.4076, 45.3605, 43.9181

Trichromacy



Original Color

46.6878, 45.4075, 6.3038

Protanomaly

42.7205, 45.0652, 6.6766

Deuteranomaly

46.5578, 45.6198, 6.3516

Tritanomaly

49.5588, 44.4158, 20.1484

Monochromacy



Original Color

46.6878, 45.4075, 6.3038

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.0770, 40.3846, 19.6981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6878, 45.4075, 6.3038 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(229, 170, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 170, 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(229, 170, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 170, 0) }
```

Border

The CSS property to change the border of an element to XYZ 46.6878, 45.4075, 6.3038 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(229, 170, 0) }
```


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

```
.border{ border-color:rgb(229, 170, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 170, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 170, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 170, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 170,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6878, 45.4075, 6.3038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 170, 0) }
```

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

```
.background{ background-color: rgb(229,  
170, 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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