

Converting Colors

XYZ(46.8586, 45.3205, 8.4255)

Have a look what the booklet for
XYZ(46.8586, 45.3205, 8.4255)
contains.

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Color

**XYZ(47.1057, 45.5746,
8.5045)**

Conversions

Conversions Part 1

Format	Color
Hex	E5AA2A
RGB	229, 170, 42
RGB Percent	90%, 67%, 16%
CMY	0.1020, 0.3333, 0.8353
CMYK	0.00, 0.26, 0.82, 0.10
HSL	41°, 78%, 53%
HSV	41°, 82%, 90%
XYZ	47.1057, 45.5746, 8.5045
YIQ	173.0490, 76.2520, -27.3000

Conversions

Conversions Part 2

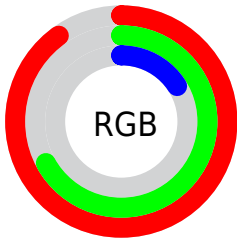
Format	Color
R _Y B	128, 229, 42
Decimal	15051306
CIE Lab	73.27, 10.91, 68.42
CIE LCh	73, 69.283, 80.944
Yxy	45.5746, 0.4655, 0.4504
Android (android.graphics.Color)	4293241386 (0xFFE5AA2A)
YUV	173.0490, -64.6072, 49.0690
Hunter-Lab	67.5090, 6.4112, 39.7872

Details

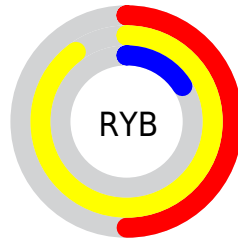
The XYZ color **47.1057, 45.5746, 8.5045** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **19.7513, 15.4564, 76.0705**, and the grayscale version is **40.0388, 42.1239, 45.8729**.

A 20% lighter version of the original color is **70.4173, 76.0113, 22.7646**, and **22.6269, 21.2817, 2.9152** is the 20% darker color. If you saturate the color by 10%, you get **45.4897, 42.8222, 6.4888**, and if you desaturate by 10%, it is **49.0320, 48.5739, 11.7780**.

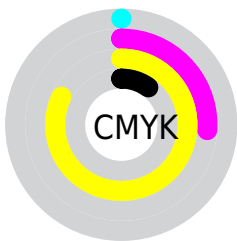
Distribution



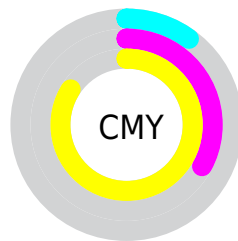
- Red (90%)
- Green (67%)
- Blue (16%)



- Red (50%)
- Yellow (90%)
- Blue (16%)



- Cyan (0%)
- Magenta (26%)
- Yellow (82%)
- Black (10%)





- Cyan (10%)
- Magenta (33%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1057, 45.5746, 8.5045 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 47.1057, 45.5746, 8.5045 by changing the saturation by 10% instead.


 47.1057, 45.5746,
8.5045


 47.1057, 45.5746,
8.5045


365.8782,
369.0957, 189.7171


 33.3275, 31.9103,
4.3271


 85.0892, 83.5820,
23.5040


 22.5379, 21.2930,
1.8064


 110.0252,
108.6938, 35.1631


 14.3715, 13.3383,
0.4322


 139.4111,
138.3903, 50.1532

 8.4629, 7.6619,
0.0000

 173.6124,
173.0558, 68.8928

 4.4468, 3.8794,
0.0000

 212.9944,
213.0747, 91.8004

 1.9579, 1.6063,
0.0000

 257.9225,

 0.6102, 0.3619,

258.8314, 119.2947

0.0000

308.7619,
310.7103, 151.7941

■ 0.0000, 0.0000,
0.0000

■ 47.1057, 45.5746,
8.5045

■ 47.1057, 45.5746,
8.5045

■ 45.4897, 42.8222,
6.4888

■ 49.0320, 48.5739,
11.7780

■ 44.3283, 40.6888,
5.5174

■ 51.3014, 51.8296,
16.4904

■ 53.9452, 55.3578,
22.7957

■ 56.9897, 59.1708,
30.8274

■ 60.4587, 63.2798,
40.7047

■ 64.3736, 67.6952,
52.5362

■ 68.7546, 72.4266,
66.4222

■ 73.6203, 77.4832,
82.4559

■ 78.9882, 82.8734,
100.7247

Harmonies

Analogous

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



59.7965, 45.5746, 13.6558



47.1057, 45.5746, 8.5045



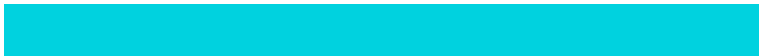
35.4800, 45.5746, 9.6617

Triad

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



47.1057, 45.5746, 8.5045



24.9331, 45.5746, 77.6382



64.1463, 45.5746, 104.9548

Complementary

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



47.1057, 45.5746, 8.5045



19.7513, 15.4564, 76.0705

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.



52.2312, 45.5746, 142.2072



47.1057, 45.5746, 8.5045



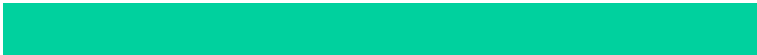
30.1834, 45.5746, 121.9700

Square

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



47.1057, 45.5746, 8.5045



24.0752, 45.5746, 39.8048



39.7376, 45.5746, 149.5784



70.7770, 45.5746, 60.9360

Rectangle

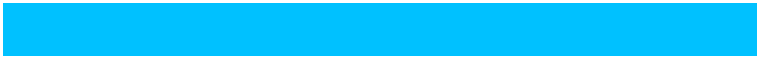
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.1057, 45.5746, 8.5045



29.7216, 45.5746, 14.2651



39.7376, 45.5746, 149.5784



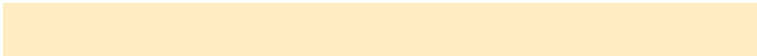
60.5316, 45.5746, 119.4034

Sweetspot

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



47.1067, 45.5769, 8.5054



80.8622, 84.9601, 63.0583



35.5007, 19.2580, 14.2145



16.9214, 17.7505, 12.3248



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.



47.1067, 45.5769, 8.5054



56.8250, 52.3853, 7.2628



50.8697, 67.7698, 12.5907



15.1980, 16.0100, 15.1937



25.4575, 23.4892, 3.1921



1.9636, 1.9006, 0.2634

Inverse Universe

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



19.7513, 15.4564, 76.0705



21.2794, 13.5840, 96.1082



17.9742, 8.8617, 74.8912



13.9520, 14.6254, 18.2320



9.5156, 6.0933, 43.0578



0.7842, 0.6123, 3.2088

Previews

White Background



This preview shows how the XYZ color 47.1057, 45.5746, 8.5045 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 47.1057, 45.5746, 8.5045 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 47.1057, 45.5746, 8.5045

Background



This preview shows how black text looks on a background with the XYZ color 47.1057, 45.5746, 8.5045.



This preview shows how white text looks on a background with the XYZ color 47.1057, 45.5746,

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

47.1057, 45.5746, 8.5045

Protanopia

41.3546, 45.7938, 9.1421

Deuteranopia

46.6594, 45.6239, 8.5376



Tritanopia

54.6739, 45.7411, 44.4754

Trichromacy



Original Color

47.1057, 45.5746, 8.5045

Protanomaly

43.3281, 45.6232, 8.9054

Deuteranomaly

46.9757, 45.7870, 8.5524

Tritanomaly

50.6670, 45.1420, 25.1116

Monochromacy



Original Color

47.1057, 45.5746, 8.5045

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

40.4465, 42.3232, 25.4395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1057, 45.5746, 8.5045 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, 42)` looks like.

```
.text, #text, p{  
    color:rgb(229, 170, 42)  
}
```

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, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 170, 42) }
```

Border

The CSS property to change the border of an element to XYZ 47.1057, 45.5746, 8.5045 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, 42) }
```


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

```
.border{ border-color:rgb(229, 170, 42) }
```

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, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 170, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 170, 42);  
box-shadow:4px 4px 4px 4px rgb(229, 170,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1057, 45.5746, 8.5045 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, 42) }
```

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

```
.background{ background-color: rgb(229,  
170, 42) }
```

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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