

Converting Colors

$Y_{xy}(45.9130, 0.4676, 0.4264)$

Have a look what the booklet for
Yxy(45.9130, 0.4676, 0.4264)
contains.

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Color

Yxy(45.8289, 0.4684, 0.4261)

Conversions

Conversions Part 1

Format	Color
Hex	F0A542
RGB	240, 165, 66
RGB Percent	94%, 65%, 26%
CMY	0.0588, 0.3530, 0.7411
CMYK	0.00, 0.31, 0.72, 0.06
HSL	34°, 85%, 60%
HSV	34°, 72%, 94%
XYZ	50.3784, 45.8289, 11.3470
YIQ	176.1390, 76.4790, -14.8890

Conversions

Conversions Part 2

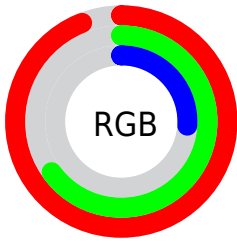
Format	Color
RYB	198, 240, 66
Decimal	15770946
CIELab	73.43, 19.15, 60.08
CIELCh	73, 63.058, 72.321
Yxy	45.8289, 0.4684, 0.4261
Android (android.graphics.Color)	4293961026 (0xFFFF0A542)
YUV	176.1390, -54.2985, 56.0061
Hunter-Lab	67.6970, 14.3654, 37.4501

Details

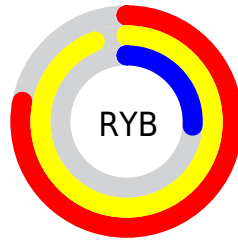
The Yxy color **45.8289, 0.4684, 0.4261** is a light color, and the websafe version is hex **CC9933**. The color can be described as light washed orange. A complement of this color would be **26.5114, 0.1963, 0.1892**, and the grayscale version is **43.7537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7783, 0.4081, 0.4291**, and **21.3962, 0.5024, 0.4388** is the 20% darker color. If you saturate the color by 10%, you get **42.0217, 0.4909, 0.4296**, and if you desaturate by 10%, it is **50.0615, 0.4440, 0.4179**.

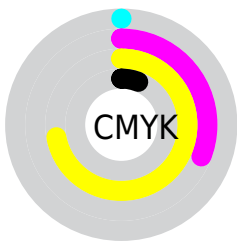
Distribution



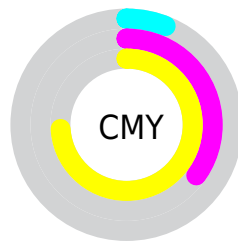
- Red (94%)
- Green (65%)
- Blue (26%)



- Red (78%)
- Yellow (94%)
- Blue (26%)



- Cyan (0%)
- Magenta (31%)
- Yellow (72%)
- Black (6%)





- Cyan (6%)
- Magenta (35%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8289, 0.4684, 0.4261 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 Yxy color 45.8289, 0.4684, 0.4261 by changing the saturation by 10% instead.


 45.8289, 0.4684,
0.4261


 45.8289, 0.4684,
0.4261


370.1203, 0.3945,
0.3857

 32.1108, 0.4841,
0.4326


 83.9629, 0.4433,
0.4140

 21.4462, 0.5022,
0.4387


 109.1476, 0.4333,
0.4086


 13.4505, 0.5228,
0.4431


 138.9232, 0.4247,
0.4038

 7.7395, 0.5517,
0.4483

 173.6743, 0.4171,
0.3994

 3.9287, 0.5670,
0.4330

 213.7852, 0.4104,
0.3955

 1.6338, 0.5917,
0.4083

259.6402, 0.4045,

 0.3802, 0.6855,

0.3919

0.3145

311.6238, 0.3992,
0.3887

0.0000, 0.0000,
0.0000

45.8289, 0.4684,
0.4261

45.8289, 0.4684,
0.4261

42.0217, 0.4909,
0.4296

50.0615, 0.4440,
0.4179

38.6099, 0.5103,
0.4277

54.7326, 0.4192,
0.4063

36.2876, 0.5227,
0.4232

59.8628, 0.3951,
0.3924

65.4685, 0.3725,
0.3773

71.5655, 0.3517,
0.3619

 78.1684, 0.3331,
0.3469

 85.2909, 0.3165,
0.3325

 92.7498, 0.3036,
0.3219

 97.2682, 0.3035,
0.3290

Harmonies

Analogous

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



45.8289, 0.4863, 0.3632



45.8289, 0.4684, 0.4261



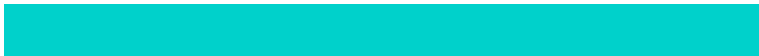
45.8289, 0.4088, 0.4784

Triad

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



45.8289, 0.4684, 0.4261



45.8289, 0.1902, 0.3375



45.8289, 0.2763, 0.2125

Complementary

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



45.8289, 0.4684, 0.4261



26.5114, 0.1963, 0.1892

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.



45.8289, 0.2091, 0.1985



45.8289, 0.4684, 0.4261



45.8289, 0.1654, 0.2561

Square

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



45.8289, 0.4684, 0.4261



45.8289, 0.2482, 0.4342



45.8289, 0.1722, 0.2111



45.8289, 0.3656, 0.2491

Rectangle

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



45.8289, 0.4684, 0.4261



45.8289, 0.3562, 0.4932



45.8289, 0.1722, 0.2111



45.8289, 0.2507, 0.2051

Sweetspot

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



45.8312, 0.4684, 0.4261



82.4260, 0.3509, 0.3613



24.3621, 0.4502, 0.2567



17.2216, 0.3563, 0.3654



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.8312, 0.4684, 0.4261



46.2877, 0.5007, 0.4294



79.2859, 0.4001, 0.4936



17.2514, 0.3279, 0.3424



20.1309, 0.5206, 0.4249



1.8720, 0.5036, 0.4383

Inverse Universe

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



26.5114, 0.1963, 0.1892



23.1935, 0.1798, 0.1574



11.7942, 0.1789, 0.1015



16.3496, 0.2980, 0.3152



9.0587, 0.1710, 0.1357



0.9475, 0.1781, 0.1612

Previews

White Background



This preview shows how the Yxy color 45.8289, 0.4684, 0.4261 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 Yxy color 45.8289, 0.4684, 0.4261 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](#).

Yxy 45.8289, 0.4684, 0.4261

Background



This preview shows how black text looks on a background with the Yxy color 45.8289, 0.4684, 0.4261.



This preview shows how white text looks on a background with the Yxy color 45.8289, 0.4684, 0.4261.

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

45.8289, 0.4684, 0.4261

Protanopia

46.0592, 0.4172, 0.4573

Deuteranopia

46.0440, 0.4508, 0.4413



Tritanopia

45.7887, 0.3922, 0.3173

Trichromacy



Original Color

45.8289, 0.4684, 0.4261

Protanomaly

45.6885, 0.4363, 0.4457

Deuteranomaly

45.7465, 0.4575, 0.4351

Tritanomaly

45.6411, 0.4249, 0.3609

Monochromacy



Original Color

45.8289, 0.4684, 0.4261

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.4247, 0.3698, 0.3757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8289, 0.4684, 0.4261 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(240, 165, 66)` looks like.

```
.text, #text, p{  
    color:rgb(240, 165, 66)  
}
```

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(240, 165, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 165, 66) }
```

Border

The CSS property to change the border of an element to Yxy 45.8289, 0.4684, 0.4261 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(240, 165, 66) }
```

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

```
.border{ border-color:rgb(240, 165, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 165, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 165, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 165, 66);  
box-shadow:4px 4px 4px 4px rgb(240, 165,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8289, 0.4684, 0.4261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 165, 66) }
```

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

```
.background{ background-color: rgb(240,  
165, 66) }
```

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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