

Converting Colors

$Y_{xy}(45.8547, 0.4654, 0.4206)$

Have a look what the booklet for
Yxy(45.8547, 0.4654, 0.4206)
contains.

Yxy(45.7327, 0.4659, 0.4198)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.7327, 0.4659, 0.4198)

Conversions

Conversions Part 1

Format	Color
Hex	F1A449
RGB	241, 164, 73
RGB Percent	95%, 64%, 29%
CMY	0.0549, 0.3568, 0.7138
CMYK	0.00, 0.32, 0.70, 0.05
HSL	33°, 86%, 62%
HSV	33°, 70%, 95%
XYZ	50.7548, 45.7327, 12.4518
YIQ	176.6490, 75.1030, -11.9770

Conversions

Conversions Part 2

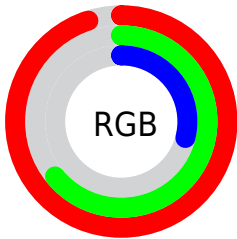
Format	Color
RYB	215, 241, 73
Decimal	15836233
CIELab	73.37, 20.43, 57.01
CIELCh	73, 60.560, 70.289
Yxy	45.7327, 0.4659, 0.4198
Android (android.graphics.Color)	4294026313 (0xFFFF1A449)
YUV	176.6490, -51.0990, 56.4358
Hunter-Lab	67.6260, 15.6228, 36.4213

Details

The Yxy color **45.7327, 0.4659, 0.4198** 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 **29.5742, 0.2016, 0.2019**, and the grayscale version is **44.0166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4294, 0.4043, 0.4221**, and **21.3321, 0.5004, 0.4319** is the 20% darker color. If you saturate the color by 10%, you get **41.6917, 0.4905, 0.4241**, and if you desaturate by 10%, it is **50.2454, 0.4400, 0.4111**.

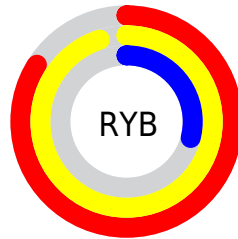
Distribution



Red (95%)

Green (64%)

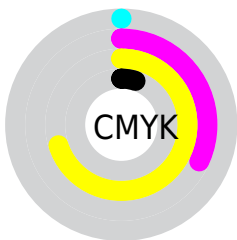
Blue (29%)



Red (84%)

Yellow (95%)

Blue (29%)

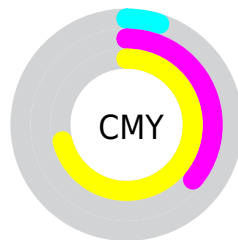


Cyan (0%)

Magenta (32%)

Yellow (70%)

Black (5%)



Cyan (5%)

Magenta (36%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7327, 0.4659, 0.4198 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 45.7327, 0.4659, 0.4198 by changing the saturation by 10% instead.

 45.7327, 0.4659,
0.4198


 45.7327, 0.4659,
0.4198


369.7330, 0.3925,
0.3819

 32.0349, 0.4819,
0.4260


 83.8188, 0.4407,
0.4083


 21.3882, 0.5006,
0.4320


 108.9760, 0.4308,
0.4033


 13.4080, 0.5223,
0.4364


 138.7217, 0.4222,
0.3987

 7.7101, 0.5546,
0.4433

 173.4404, 0.4147,
0.3946

 3.9100, 0.5720,
0.4280

 213.5165, 0.4081,
0.3910

 1.6234, 0.5982,
0.4018

259.3344, 0.4023,

 0.3733, 0.6957,

0.3876

0.3043

311.2784, 0.3971,
0.3846

0.0000, 0.0000,
0.0000

45.7327, 0.4659,
0.4198

45.7327, 0.4659,
0.4198

41.6917, 0.4905,
0.4241

50.2454, 0.4400,
0.4111

38.0917, 0.5122,
0.4231

55.2440, 0.4143,
0.3993


34.9010, 0.5302,
0.4170


60.7503, 0.3898,
0.3856

34.8161, 0.5307,
0.4168

66.7819, 0.3671,
0.3710

73.3557, 0.3466,
0.3564

 80.4875, 0.3284,
0.3421

 88.1923, 0.3123,
0.3286

 95.7702, 0.3042,
0.3264

 97.4418, 0.3041,
0.3290

Harmonies

Analogous

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



45.7327, 0.4791, 0.3588



45.7327, 0.4659, 0.4198



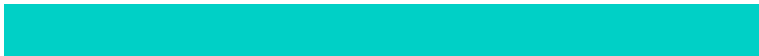
45.7327, 0.4109, 0.4709

Triad

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



45.7327, 0.4659, 0.4198



45.7327, 0.1974, 0.3438



45.7327, 0.2726, 0.2145

Complementary

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



45.7327, 0.4659, 0.4198



29.5742, 0.2016, 0.2019

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.



45.7327, 0.2092, 0.2026



45.7327, 0.4659, 0.4198



45.7327, 0.1707, 0.2635

Square

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



45.7327, 0.4659, 0.4198



45.7327, 0.2557, 0.4351



45.7327, 0.1752, 0.2171



45.7327, 0.3577, 0.2488

Rectangle

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



45.7327, 0.4659, 0.4198



45.7327, 0.3609, 0.4864



45.7327, 0.1752, 0.2171



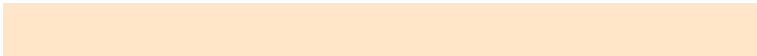
45.7327, 0.2484, 0.2079

Sweetspot

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



45.7350, 0.4659, 0.4198



82.3479, 0.3492, 0.3583



25.7116, 0.4338, 0.2519



17.1744, 0.3548, 0.3624



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.



45.7350, 0.4659, 0.4198



45.4776, 0.5007, 0.4243



81.1262, 0.4025, 0.4869



17.1776, 0.3280, 0.3418



19.1522, 0.5284, 0.4186



1.7921, 0.5101, 0.4331

Inverse Universe

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



29.5742, 0.2016, 0.2019



26.1418, 0.1848, 0.1714



12.7582, 0.1806, 0.1074



16.4223, 0.2980, 0.3159



9.8063, 0.1734, 0.1442



1.0125, 0.1803, 0.1692

Previews

White Background



This preview shows how the Yxy color 45.7327, 0.4659, 0.4198 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 45.7327, 0.4659, 0.4198 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 45.7327, 0.4659, 0.4198

Background



This preview shows how black text looks on a background with the Yxy color 45.7327, 0.4659, 0.4198.



This preview shows how white text looks on a background with the Yxy color 45.7327, 0.4659, 0.4198.

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

45.7327, 0.4659, 0.4198

Protanopia

46.0153, 0.4121, 0.4517

Deuteranopia

45.9675, 0.4459, 0.4367



Tritanopia

45.6385, 0.3935, 0.3162

Trichromacy



Original Color

45.7327, 0.4659, 0.4198

Protanomaly

45.7807, 0.4321, 0.4400

Deuteranomaly

45.8327, 0.4533, 0.4300

Tritanomaly

45.5321, 0.4244, 0.3575

Monochromacy



Original Color

45.7327, 0.4659, 0.4198

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.6485, 0.3681, 0.3716

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7327, 0.4659, 0.4198 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(241, 164, 73)` looks like.

```
.text, #text, p{  
    color:rgb(241, 164, 73)  
}
```

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(241, 164, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 164, 73) }
```

Border

The CSS property to change the border of an element to Yxy 45.7327, 0.4659, 0.4198 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(241, 164, 73) }
```

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

```
.border{ border-color:rgb(241, 164, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 164, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 164, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 164, 73);  
box-shadow:4px 4px 4px 4px rgb(241, 164,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7327, 0.4659, 0.4198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 164, 73) }
```

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

```
.background{ background-color: rgb(241,  
164, 73) }
```

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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