

Converting Colors

$Yxy(38.3923, 0.4880, 0.3891)$

Have a look what the booklet for
Yxy(38.3923, 0.4880, 0.3891)
contains.

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Color

Yxy(38.4278, 0.4886, 0.3891)

Conversions

Conversions Part 1

Format	Color
Hex	F58B4E
RGB	245, 139, 78
RGB Percent	96%, 55%, 31%
CMY	0.0394, 0.4548, 0.6942
CMYK	0.00, 0.43, 0.68, 0.04
HSL	22°, 89%, 63%
HSV	22°, 68%, 96%
XYZ	48.2545, 38.4278, 12.0784
YIQ	163.7400, 82.7570, 3.5010

Conversions

Conversions Part 2

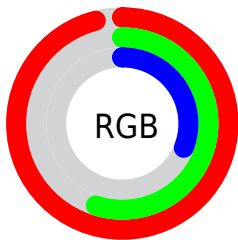
Format	Color
R _Y B	245, 174, 78
Decimal	16091982
CIE Lab	68.33, 35.36, 49.31
CIE LCh	68, 60.677, 54.352
Yxy	38.4278, 0.4886, 0.3891
Android (android.graphics.Color)	4294282062 (0xFFFF58B4E)
YUV	163.7400, -42.2698, 71.2650
Hunter-Lab	61.9902, 30.4655, 31.8408

Details

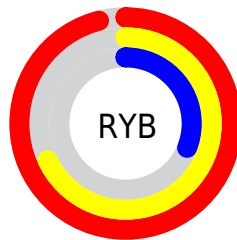
The Yxy color **38.4278, 0.4886, 0.3891** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **42.4569, 0.2138, 0.2471**, and the grayscale version is **37.1715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4286, 0.4157, 0.3959**, and **16.9675, 0.5350, 0.3922** is the 20% darker color. If you saturate the color by 10%, you get **33.9552, 0.5224, 0.3904**, and if you desaturate by 10%, it is **43.6750, 0.4545, 0.3838**.

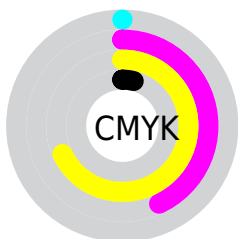
Distribution



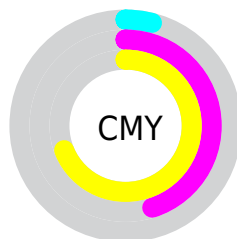
- Red (96%)
- Green (55%)
- Blue (31%)



- Red (96%)
- Yellow (68%)
- Blue (31%)



- Cyan (0%)
- Magenta (43%)
- Yellow (68%)
- Black (4%)




- Cyan (4%)
- Magenta (45%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4278, 0.4886, 0.3891 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 38.4278, 0.4886, 0.3891 by changing the saturation by 10% instead.


 38.4278, 0.4886,
0.3891


 38.4278, 0.4886,
0.3891


339.4516, 0.4001,
0.3667


 26.3149, 0.5093,
0.3914


 72.7634, 0.4571,
0.3833


 17.0594, 0.5345,
0.3923


 95.7548, 0.4450,
0.3803

 10.2768, 0.5650,
0.3899


 123.1412, 0.4347,
0.3776

 5.5829, 0.6127,
0.3873

 155.3070, 0.4258,
0.3750

 2.5931, 0.6438,
0.3562

 192.6365, 0.4181,
0.3727

 0.9232, 0.6944,
0.3056

235.5142, 0.4114,

 0.0000, 1.0000,

0.3705

0.0000

284.3244, 0.4054,
0.3685

0.0000, 0.0000,
0.0000

38.4278, 0.4886,
0.3891

38.4278, 0.4886,
0.3891

33.9552, 0.5224,
0.3904

43.6750, 0.4545,
0.3838

30.2089, 0.5531,
0.3866

49.7292, 0.4222,
0.3758


27.1410, 0.5780,
0.3777

56.6275, 0.3930,
0.3663


26.6437, 0.5822,
0.3759

64.4031, 0.3673,
0.3562

73.0870, 0.3451,
0.3461

 82.7087, 0.3261,
0.3365

 93.2963, 0.3099,
0.3274

 98.1461, 0.3066,
0.3290

Harmonies

Analogous

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



38.4278, 0.4732, 0.3256



38.4278, 0.4886, 0.3891



38.4278, 0.4504, 0.4513

Triad

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



38.4278, 0.4886, 0.3891



38.4278, 0.2195, 0.3982



38.4278, 0.2310, 0.1991

Complementary

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



38.4278, 0.4886, 0.3891



42.4569, 0.2138, 0.2471

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.



38.4278, 0.1812, 0.2004



38.4278, 0.4886, 0.3891



38.4278, 0.1739, 0.3001

Square

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



38.4278, 0.4886, 0.3891



38.4278, 0.2943, 0.4794



38.4278, 0.1621, 0.2318



38.4278, 0.3104, 0.2230

Rectangle

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



38.4278, 0.4886, 0.3891



38.4278, 0.4050, 0.4837



38.4278, 0.1621, 0.2318



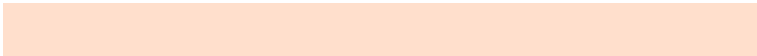
38.4278, 0.2109, 0.1965

Sweetspot

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



38.4298, 0.4886, 0.3891



78.2054, 0.3490, 0.3480



28.4201, 0.3870, 0.2232



16.1552, 0.3551, 0.3508



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.



38.4298, 0.4886, 0.3891



35.4601, 0.5353, 0.3895



71.0991, 0.4216, 0.4641



17.4744, 0.3284, 0.3377



14.5986, 0.5793, 0.3783



1.4718, 0.5556, 0.3971

Inverse Universe

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



42.4569, 0.2138, 0.2471



39.8611, 0.2006, 0.2271



17.9162, 0.1869, 0.1369



17.6796, 0.2980, 0.3201



16.5311, 0.1902, 0.2045



1.6483, 0.1950, 0.2219

Previews

White Background



This preview shows how the Yxy color 38.4278, 0.4886, 0.3891 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 38.4278, 0.4886, 0.3891 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 38.4278, 0.4886, 0.3891

Background



This preview shows how black text looks on a background with the Yxy color 38.4278, 0.4886, 0.3891.



This preview shows how white text looks on a background with the Yxy color 38.4278, 0.4886, 0.3891.

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

38.4278, 0.4886, 0.3891

Protanopia

38.5159, 0.3993, 0.4356

Deuteranopia

38.5427, 0.4393, 0.4304



Tritanopia

38.5654, 0.4323, 0.3198

Trichromacy



Original Color

38.4278, 0.4886, 0.3891

Protanomaly

37.8758, 0.4316, 0.4179

Deuteranomaly

38.3366, 0.4576, 0.4145

Tritanomaly

38.5924, 0.4556, 0.3472

Monochromacy



Original Color

38.4278, 0.4886, 0.3891

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.4736, 0.3733, 0.3588

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4278, 0.4886, 0.3891 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(245, 139, 78)` looks like.

```
.text, #text, p{  
    color:rgb(245, 139, 78)  
}
```

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(245, 139, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 139, 78) }
```

Border

The CSS property to change the border of an element to Yxy 38.4278, 0.4886, 0.3891 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(245, 139, 78) }
```

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

```
.border{ border-color:rgb(245, 139, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 139, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 139, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 139, 78);  
box-shadow:4px 4px 4px 4px rgb(245, 139,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4278, 0.4886, 0.3891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 139, 78) }
```

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

```
.background{ background-color: rgb(245,  
139, 78) }
```

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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