

Converting Colors

$Yxy(39.0494, 0.4771, 0.4071)$

Have a look what the booklet for
Yxy(39.0494, 0.4771, 0.4071)
contains.

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Color

Yxy(38.9845, 0.4780, 0.4066)

Conversions

Conversions Part 1

Format	Color
Hex	EB9347
RGB	235, 147, 71
RGB Percent	92%, 58%, 28%
CMY	0.0784, 0.4235, 0.7217
CMYK	0.00, 0.37, 0.70, 0.08
HSL	28°, 80%, 60%
HSV	28°, 70%, 92%
XYZ	45.8303, 38.9845, 11.0645
YIQ	164.6480, 76.8440, -4.9800

Conversions

Conversions Part 2

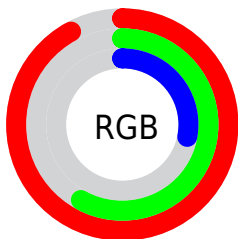
Format	Color
R _Y B	235, 213, 71
Decimal	15438663
CIE Lab	68.74, 26.82, 52.77
CIE LCh	69, 59.198, 63.059
Yxy	38.9845, 0.4780, 0.4066
Android (android.graphics.Color)	4293628743 (0xFFEB9347)
YUV	164.6480, -46.1685, 61.6987
Hunter-Lab	62.4376, 21.7564, 33.1996

Details

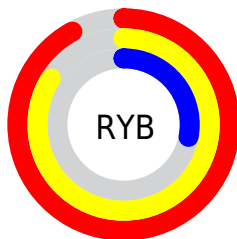
The Yxy color **38.9845, 0.4780, 0.4066** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **32.1163, 0.2063, 0.2210**, and the grayscale version is **37.6469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4633, 0.4161, 0.4083**, and **17.4081, 0.5185, 0.4151** is the 20% darker color. If you saturate the color by 10%, you get **35.0328, 0.5065, 0.4092**, and if you desaturate by 10%, it is **43.4864, 0.4485, 0.3996**.

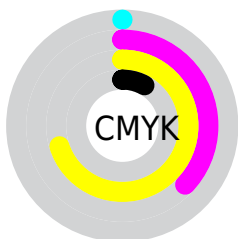
Distribution



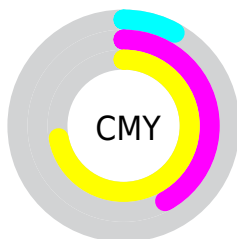
- Red (92%)
- Green (58%)
- Blue (28%)



- Red (92%)
- Yellow (84%)
- Blue (28%)



- Cyan (0%)
- Magenta (37%)
- Yellow (70%)
- Black (8%)





- Cyan (8%)
- Magenta (42%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.9845, 0.4780, 0.4066 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 38.9845, 0.4780, 0.4066 by changing the saturation by 10% instead.


 38.9845, 0.4780,
0.4066


 38.9845, 0.4780,
0.4066

341.8246, 0.3959,
0.3750

 26.7477, 0.4967,
0.4111


 73.6146, 0.4491,
0.3974


 17.3838, 0.5191,
0.4147


 96.7767, 0.4379,
0.3933


 10.5085, 0.5456,
0.4156


 124.3494, 0.4284,
0.3894

 5.7374, 0.5842,
0.4158

 156.7170, 0.4201,
0.3860

 2.6861, 0.6091,
0.3909

 194.2639, 0.4128,
0.3828

 0.9701, 0.6507,
0.3493

237.3745, 0.4065,

 0.0000, 1.0000,

0.3800

0.0000

286.4333, 0.4009,
0.3774

0.0000, 0.0000,
0.0000

38.9845, 0.4780,
0.4066

38.9845, 0.4780,
0.4066

35.0328, 0.5065,
0.4092

43.4864, 0.4485,
0.3996

31.5971, 0.5320,
0.4065

48.5577, 0.4198,
0.3896

28.6412, 0.5533,
0.3987

54.2235, 0.3931,
0.3778


28.5866, 0.5538,
0.3985


60.5054, 0.3689,
0.3652

67.4236, 0.3475,
0.3526

 74.9972, 0.3287,
0.3404

 83.2447, 0.3124,
0.3288

 91.9255, 0.3005,
0.3219

 96.4015, 0.3005,
0.3290

Harmonies

Analogous

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



38.9845, 0.4790, 0.3439



38.9845, 0.4780, 0.4066



38.9845, 0.4295, 0.4639

Triad

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



38.9845, 0.4780, 0.4066



38.9845, 0.2057, 0.3676



38.9845, 0.2531, 0.2065

Complementary

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



38.9845, 0.4780, 0.4066



32.1163, 0.2063, 0.2210

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.



38.9845, 0.1954, 0.2003



38.9845, 0.4780, 0.4066



38.9845, 0.1706, 0.2781

Square

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



38.9845, 0.4780, 0.4066



38.9845, 0.2720, 0.4571



38.9845, 0.1679, 0.2221



38.9845, 0.3368, 0.2364

Rectangle

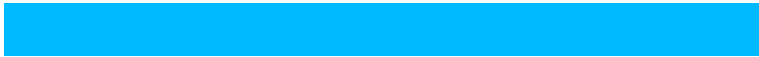
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.9845, 0.4780, 0.4066



38.9845, 0.3810, 0.4880



38.9845, 0.1679, 0.2221



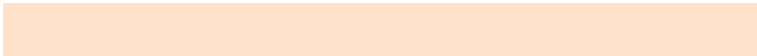
38.9845, 0.2305, 0.2016

Sweetspot

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



38.9865, 0.4780, 0.4066



80.0409, 0.3501, 0.3542



24.7434, 0.4130, 0.2379



16.6270, 0.3559, 0.3577



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.



38.9865, 0.4780, 0.4066



40.2047, 0.5187, 0.4086



72.9419, 0.4119, 0.4784



16.2050, 0.3281, 0.3400



16.1602, 0.5511, 0.4006



1.4597, 0.5282, 0.4188

Inverse Universe

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



32.1163, 0.2063, 0.2210



31.3630, 0.1910, 0.1946



12.9525, 0.1799, 0.1142



15.8872, 0.2981, 0.3178



11.9091, 0.1807, 0.1703



1.1274, 0.1872, 0.1940

Previews

White Background



This preview shows how the Yxy color 38.9845, 0.4780, 0.4066 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 38.9845, 0.4780, 0.4066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

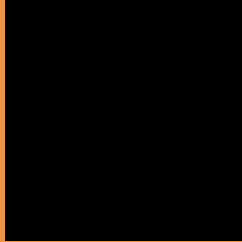
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.9845, 0.4780, 0.4066

Background



This preview shows how black text looks on a background with the Yxy color 38.9845, 0.4780, 0.4066.



This preview shows how white text looks on a background with the Yxy color 38.9845, 0.4780, 0.4066.

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

38.9845, 0.4780, 0.4066

Protanopia

38.9802, 0.4080, 0.4468

Deuteranopia

39.1143, 0.4437, 0.4349



Tritanopia

39.1604, 0.4111, 0.3182

Trichromacy



Original Color

38.9845, 0.4780, 0.4066

Protanomaly

38.4870, 0.4340, 0.4311

Deuteranomaly

38.7778, 0.4563, 0.4242

Tritanomaly

38.9036, 0.4385, 0.3526

Monochromacy



Original Color

38.9845, 0.4780, 0.4066

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.0396, 0.3710, 0.3659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9845, 0.4780, 0.4066 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(235, 147, 71)` looks like.

```
.text, #text, p{  
    color:rgb(235, 147, 71)  
}
```

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(235, 147, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 147, 71) }
```

Border

The CSS property to change the border of an element to Yxy 38.9845, 0.4780, 0.4066 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(235, 147, 71) }
```

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

```
.border{ border-color:rgb(235, 147, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 147, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 147, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 147, 71);  
box-shadow:4px 4px 4px 4px rgb(235, 147,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9845, 0.4780, 0.4066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 147, 71) }
```

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

```
.background{ background-color: rgb(235,  
147, 71) }
```

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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