

Converting Colors

$Y_{xy}(38.0360, 0.5042, 0.3781)$

Have a look what the booklet for
Yxy(38.0360, 0.5042, 0.3781)
contains.

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Color

Yxy(38.0427, 0.5040, 0.3780)

Conversions

Conversions Part 1

Format	Color
Hex	FF834E
RGB	255, 131, 78
RGB Percent	100%, 51%, 31%
CMY	0.0001, 0.4862, 0.6941
CMYK	0.00, 0.49, 0.69, 0.00
HSL	18°, 100%, 65%
HSV	18°, 69%, 100%
XYZ	50.7236, 38.0427, 11.8758
YIQ	162.0340, 90.9170, 9.8050

Conversions

Conversions Part 2

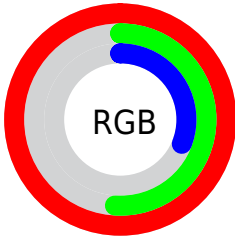
Format	Color
R_{YB}	255, 154, 78
Decimal	16745294
CIE Lab	68.05, 43.27, 49.36
CIE LCh	68, 65.642, 48.760
Yxy	38.0427, 0.5040, 0.3780
Android (android.graphics.Color)	4294935374 (0xFFFF834E)
YUV	162.0340, -41.4288, 81.5312
Hunter-Lab	61.6788, 38.8576, 31.7593

Details

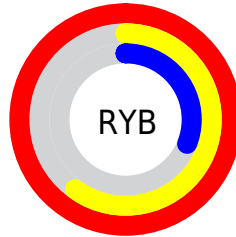
The Yxy color **38.0427, 0.5040, 0.3780** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **51.0489, 0.2163, 0.2611**, and the grayscale version is **36.3169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9628, 0.4202, 0.3880**, and **16.7440, 0.5544, 0.3761** is the 20% darker color. If you saturate the color by 10%, you get **33.3556, 0.5407, 0.3775**, and if you desaturate by 10%, it is **43.7022, 0.4666, 0.3746**.

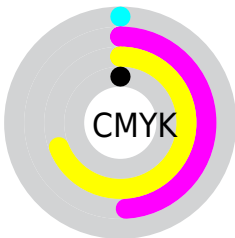
Distribution



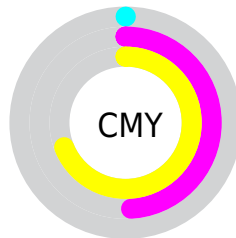
- Red (100%)
- Green (51%)
- Blue (31%)



- Red (100%)
- Yellow (60%)
- Blue (31%)



- Cyan (0%)
- Magenta (49%)
- Yellow (69%)
- Black (0%)



- Cyan (0%)
- Magenta (49%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0427, 0.5040, 0.3780 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 38.0427, 0.5040, 0.3780 by changing the saturation by 10% instead.


 38.0427, 0.5040,
0.3780


 38.0427, 0.5040,
0.3780


337.8031, 0.4075,
0.3624


 26.0158, 0.5266,
0.3783


 72.1736, 0.4697,
0.3749


 16.8355, 0.5540,
0.3766


 95.0464, 0.4565,
0.3729

 10.1173, 0.5873,
0.3707


 122.3033, 0.4453,
0.3709

 5.4768, 0.6376,
0.3624

 154.3287, 0.4356,
0.3690

 2.5296, 0.6736,
0.3264

 191.5070, 0.4272,
0.3672

 0.8914, 0.7302,
0.2698

234.2225, 0.4198,

 0.0000, 1.0000,

0.3655

0.0000

282.8598, 0.4133,
0.3639

■ 0.0000, 0.0000,
0.0000

■ 38.0427, 0.5040,
0.3780

■ 38.0427, 0.5040,
0.3780

■ 33.3556, 0.5407,
0.3775

■ 43.7022, 0.4666,
0.3746

■ 29.5751, 0.5732,
0.3722

■ 50.3819, 0.4312,
0.3685


■ 26.6301, 0.5982,
0.3627

■ 58.1337, 0.3995,
0.3608

■ 26.4797, 0.5996,
0.3621

■ 67.0036, 0.3719,
0.3525

■ 77.0351, 0.3484,
0.3442

 88.2691, 0.3285,
0.3361

99.9946, 0.3127,
0.3290

Harmonies

Analogous

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



38.0427, 0.4765, 0.3118



38.0427, 0.5040, 0.3780



38.0427, 0.4705, 0.4461

Triad

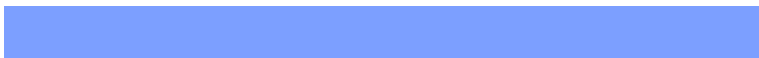
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.0427, 0.5040, 0.3780



38.0427, 0.2245, 0.4249



38.0427, 0.2124, 0.1886

Complementary

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



38.0427, 0.5040, 0.3780



51.0489, 0.2163, 0.2611

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.



38.0427, 0.1662, 0.1948



38.0427, 0.5040, 0.3780



38.0427, 0.1701, 0.3147

Square

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



38.0427, 0.5040, 0.3780



38.0427, 0.3081, 0.5030



38.0427, 0.1519, 0.2341



38.0427, 0.2918, 0.2093

Rectangle

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



38.0427, 0.5040, 0.3780



38.0427, 0.4248, 0.4861



38.0427, 0.1519, 0.2341



38.0427, 0.1933, 0.1874

Sweetspot

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



38.0447, 0.5040, 0.3780



75.3807, 0.3519, 0.3455



31.1019, 0.3743, 0.2119



15.5274, 0.3581, 0.3478



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.



38.0447, 0.5040, 0.3780



31.9055, 0.5531, 0.3761



71.2377, 0.4316, 0.4567



18.8743, 0.3287, 0.3362



14.0660, 0.5966, 0.3645



1.5509, 0.5746, 0.3820

Inverse Universe

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



51.0489, 0.2163, 0.2611



45.2541, 0.2051, 0.2454



21.4066, 0.1880, 0.1465



19.5083, 0.2980, 0.3217



20.8057, 0.1967, 0.2280



2.2172, 0.2003, 0.2409

Previews

White Background



This preview shows how the Yxy color 38.0427, 0.5040, 0.3780 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 38.0427, 0.5040, 0.3780 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 38.0427, 0.5040, 0.3780

Background



This preview shows how black text looks on a background with the Yxy color 38.0427, 0.5040, 0.3780.



This preview shows how white text looks on a background with the Yxy color 38.0427, 0.5040, 0.3780.

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

38.0427, 0.5040, 0.3780

Protanopia

38.0779, 0.3966, 0.4314

Deuteranopia

38.0434, 0.4399, 0.4307



Tritanopia

37.9310, 0.4481, 0.3202

Trichromacy



Original Color

38.0427, 0.5040, 0.3780

Protanomaly

37.0097, 0.4362, 0.4101

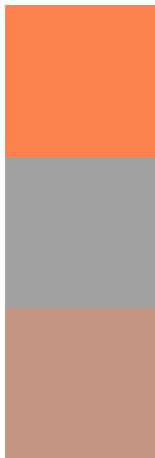
Deuteranomaly

37.5215, 0.4649, 0.4098

Tritanomaly

37.9132, 0.4710, 0.3434

Monochromacy



Original Color

38.0427, 0.5040, 0.3780

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.5077, 0.3802, 0.3559

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0427, 0.5040, 0.3780 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(255, 131, 78)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 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(255, 131, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 78) }
```

Border

The CSS property to change the border of an element to Yxy 38.0427, 0.5040, 0.3780 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(255, 131, 78) }
```

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

```
.border{ border-color:rgb(255, 131, 78) }
```

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

Here you see how a box with a 4 pixel rgb(255, 131, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 78);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0427, 0.5040, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 131, 78) }
```

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

```
.background{ background-color: rgb(255,  
131, 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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