

Converting Colors

$Y_{xy}(38.0100, 0.5102, 0.3924)$

Have a look what the booklet for
Yxy(38.0100, 0.5102, 0.3924)
contains.

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Color

Yxy(38.1045, 0.5104, 0.3924)

Conversions

Conversions Part 1

Format	Color
Hex	FC863F
RGB	252, 134, 63
RGB Percent	99%, 53%, 25%
CMY	0.0118, 0.4744, 0.7531
CMYK	0.00, 0.47, 0.75, 0.01
HSL	23°, 97%, 62%
HSV	23°, 75%, 99%
XYZ	49.5630, 38.1045, 9.4387
YIQ	161.1880, 93.1190, 2.9350

Conversions

Conversions Part 2

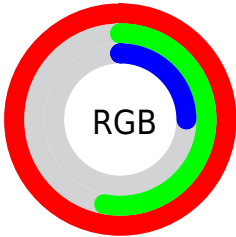
Format	Color
R _{YB}	252, 177, 63
Decimal	16549439
CIE Lab	68.10, 39.96, 56.48
CIE LCh	68, 69.187, 54.722
Yxy	38.1045, 0.5104, 0.3924
Android (android.graphics.Color)	4294739519 (0xFFFC863F)
YUV	161.1880, -48.4067, 79.6421
Hunter-Lab	61.7288, 35.2949, 34.1444

Details

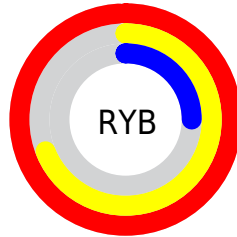
The Yxy color **38.1045, 0.5104, 0.3924** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **41.1012, 0.2060, 0.2344**, and the grayscale version is **35.9300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8701, 0.4299, 0.4051**, and **16.8666, 0.5582, 0.3917** is the 20% darker color. If you saturate the color by 10%, you get **33.8571, 0.5419, 0.3904**, and if you desaturate by 10%, it is **43.1312, 0.4767, 0.3896**.

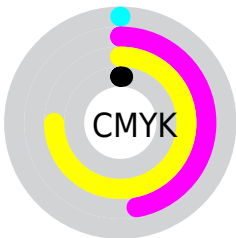
Distribution



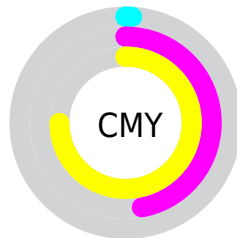
- Red (99%)
- Green (53%)
- Blue (25%)



- Red (99%)
- Yellow (69%)
- Blue (25%)



- Cyan (0%)
- Magenta (47%)
- Yellow (75%)
- Black (1%)





- Cyan (1%)
- Magenta (47%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1045, 0.5104, 0.3924 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 38.1045, 0.5104, 0.3924 by changing the saturation by 10% instead.

 38.1045, 0.5104,
0.3924


 38.1045, 0.5104,
0.3924

338.0680, 0.4124,
0.3713

 26.0638, 0.5324,
0.3933


 72.2683, 0.4762,
0.3879


 16.8714, 0.5584,
0.3918


 95.1602, 0.4628,
0.3852

 10.1428, 0.5896,
0.3859


 122.4379, 0.4513,
0.3826

 5.4938, 0.6275,
0.3725

 154.4858, 0.4414,
0.3800

 2.5398, 0.6617,
0.3383

 191.6884, 0.4327,
0.3776

 0.8965, 0.7162,
0.2838

234.4301, 0.4251,

 0.0000, 1.0000,

0.3754

0.0000

283.0951, 0.4184,
0.3733

■ 0.0000, 0.0000,
0.0000

■ 38.1045, 0.5104,
0.3924

■ 38.1045, 0.5104,
0.3924

■ 33.8571, 0.5419,
0.3904

■ 43.1312, 0.4767,
0.3896

■ 30.3353, 0.5684,
0.3830


■ 48.9734, 0.4433,
0.3831

■ 28.8284, 0.5796,
0.3780


■ 55.6716, 0.4123,
0.3742

■ 63.2615, 0.3843,
0.3641

■ 71.7766, 0.3599,
0.3537

 81.2486, 0.3388,
0.3434

 91.7073, 0.3207,
0.3337

 99.4331, 0.3109,
0.3290

Harmonies

Analogous

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



38.1045, 0.4963, 0.3232



38.1045, 0.5104, 0.3924



38.1045, 0.4639, 0.4632

Triad

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



38.1045, 0.5104, 0.3924



38.1045, 0.2056, 0.4071



38.1045, 0.2215, 0.1851

Complementary

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



38.1045, 0.5104, 0.3924



41.1012, 0.2060, 0.2344

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.



38.1045, 0.1670, 0.1853



38.1045, 0.5104, 0.3924



38.1045, 0.1571, 0.2927

Square

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



38.1045, 0.5104, 0.3924



38.1045, 0.2880, 0.5036



38.1045, 0.1458, 0.2178



38.1045, 0.3104, 0.2115

Rectangle

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



38.1045, 0.5104, 0.3924



38.1045, 0.4117, 0.5028



38.1045, 0.1458, 0.2178



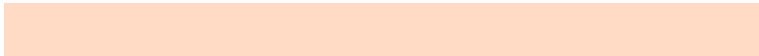
38.1045, 0.1994, 0.1820

Sweetspot

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



38.1065, 0.5104, 0.3924



75.6108, 0.3554, 0.3516



27.6489, 0.4022, 0.2205



15.4678, 0.3636, 0.3554



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.



38.1065, 0.5104, 0.3924



32.8707, 0.5561, 0.3873



75.8714, 0.4277, 0.4740



18.2943, 0.3285, 0.3380



15.2788, 0.5766, 0.3804



1.6115, 0.5542, 0.3981

Inverse Universe

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



41.1012, 0.2060, 0.2344



35.7074, 0.1939, 0.2124



15.0888, 0.1752, 0.1143



18.4479, 0.2980, 0.3199



16.5625, 0.1891, 0.2007



1.7377, 0.1938, 0.2177

Previews

White Background



This preview shows how the Yxy color 38.1045, 0.5104, 0.3924 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 38.1045, 0.5104, 0.3924 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 38.1045, 0.5104, 0.3924

Background



This preview shows how black text looks on a background with the Yxy color 38.1045, 0.5104, 0.3924.



This preview shows how white text looks on a background with the Yxy color 38.1045, 0.5104, 0.3924.

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

38.1045, 0.5104, 0.3924

Protanopia

38.4196, 0.4111, 0.4514

Deuteranopia

38.1491, 0.4521, 0.4428



Tritanopia

38.1880, 0.4475, 0.3212

Trichromacy



Original Color

38.1045, 0.5104, 0.3924

Protanomaly

37.4277, 0.4477, 0.4287

Deuteranomaly

37.6580, 0.4744, 0.4226

Tritanomaly

38.1402, 0.4741, 0.3503

Monochromacy



Original Color

38.1045, 0.5104, 0.3924

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

35.0832, 0.3843, 0.3642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1045, 0.5104, 0.3924 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(252, 134, 63)` looks like.

```
.text, #text, p{  
    color:rgb(252, 134, 63)  
}
```

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(252, 134, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 134, 63) }
```

Border

The CSS property to change the border of an element to Yxy 38.1045, 0.5104, 0.3924 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(252, 134, 63) }
```

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

```
.border{ border-color:rgb(252, 134, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 134, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 134, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 134, 63);  
box-shadow:4px 4px 4px 4px rgb(252, 134,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1045, 0.5104, 0.3924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 134, 63) }
```

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

```
.background{ background-color: rgb(252,  
134, 63) }
```

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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