

Converting Colors

$Y_{xy}(37.9720, 0.5179, 0.4012)$

Have a look what the booklet for
Yxy(37.9720, 0.5179, 0.4012)
contains.

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Color

Yxy(38.0589, 0.5173, 0.4018)

Conversions

Conversions Part 1

Format	Color
Hex	FB8731
RGB	251, 135, 49
RGB Percent	98%, 53%, 19%
CMY	0.0157, 0.4705, 0.8081
CMYK	0.00, 0.46, 0.80, 0.02
HSL	26°, 96%, 59%
HSV	26°, 80%, 98%
XYZ	48.9992, 38.0589, 7.6629
YIQ	159.8800, 96.7420, -2.1540

Conversions

Conversions Part 2

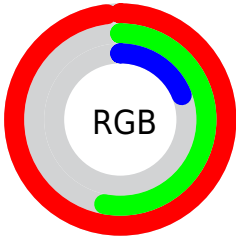
Format	Color
R _Y B	251, 199, 49
Decimal	16484145
CIE Lab	68.06, 38.57, 62.36
CIE LCh	68, 73.328, 58.264
Yxy	38.0589, 0.5173, 0.4018
Android (android.graphics.Color)	4294674225 (0xFFFB8731)
YUV	159.8800, -54.6638, 79.9122
Hunter-Lab	61.6919, 33.8139, 35.8197

Details

The Yxy color **38.0589, 0.5173, 0.4018** 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 **34.4988, 0.1972, 0.2119**, and the grayscale version is **35.3183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6145, 0.4383, 0.4155**, and **16.8779, 0.5580, 0.3952** is the 20% darker color. If you saturate the color by 10%, you get **34.1524, 0.5442, 0.3977**, and if you desaturate by 10%, it is **42.6313, 0.4869, 0.4005**.

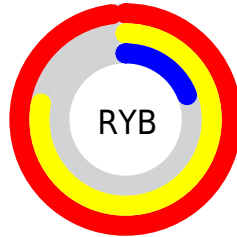
Distribution



Red (98%)

Green (53%)

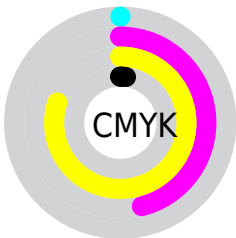
Blue (19%)



Red (98%)

Yellow (78%)

Blue (19%)

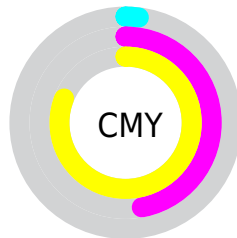


Cyan (0%)

Magenta (46%)

Yellow (80%)

Black (2%)



Cyan (2%)


Magenta (47%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0589, 0.5173, 0.4018 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 38.0589, 0.5173, 0.4018 by changing the saturation by 10% instead.


 38.0589, 0.5173,
0.4018


 38.0589, 0.5173,
0.4018


337.8726, 0.4175,
0.3779


 26.0284, 0.5387,
0.4026

 72.1984, 0.4831,
0.3969


 16.8449, 0.5635,
0.4005


 95.0762, 0.4696,
0.3939

 10.1240, 0.5954,
0.3957


 122.3386, 0.4578,
0.3909

 5.4812, 0.6234,
0.3766

 154.3699, 0.4476,
0.3879

 2.5323, 0.6568,
0.3432

 191.5545, 0.4386,
0.3852

 0.8927, 0.7105,
0.2895

 234.2770, 0.4308,

 0.0000, 1.0000,

0.3826

0.0000

282.9215, 0.4237,
0.3802

■ 0.0000, 0.0000,
0.0000

■ 38.0589, 0.5173,
0.4018

■ 38.0589, 0.5173,
0.4018

■ 34.1524, 0.5442,
0.3977

■ 42.6313, 0.4869,
0.4005


■ 31.0062, 0.5654,
0.3893


■ 47.9011, 0.4555,
0.3947

■ 53.9040, 0.4251,
0.3858


■ 60.6712, 0.3969,
0.3750

■ 68.2313, 0.3716,
0.3634

 76.6117, 0.3494,
0.3516

 85.8379, 0.3301,
0.3403

 95.9345, 0.3135,
0.3295

 99.2478, 0.3102,
0.3290

Harmonies

Analogous

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



38.0589, 0.5125, 0.3297



38.0589, 0.5173, 0.4018



38.0589, 0.4611, 0.4763

Triad

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



38.0589, 0.5173, 0.4018



38.0589, 0.1913, 0.3965



38.0589, 0.2258, 0.1805

Complementary

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



38.0589, 0.5173, 0.4018



34.4988, 0.1972, 0.2119

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.



38.0589, 0.1652, 0.1770



38.0589, 0.5173, 0.4018



38.0589, 0.1465, 0.2777

Square

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



38.0589, 0.5173, 0.4018



38.0589, 0.2738, 0.5077



38.0589, 0.1394, 0.2056



38.0589, 0.3229, 0.2109

Rectangle

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



38.0589, 0.5173, 0.4018



38.0589, 0.4038, 0.5172



38.0589, 0.1394, 0.2056



38.0589, 0.2014, 0.1762

Sweetspot

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



38.0609, 0.5173, 0.4018



76.2644, 0.3569, 0.3557



25.4827, 0.4264, 0.2272



15.6627, 0.3649, 0.3599



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.



38.0609, 0.5173, 0.4018



33.0908, 0.5591, 0.3921



79.6630, 0.4255, 0.4856



18.4408, 0.3283, 0.3391



16.5741, 0.5625, 0.3916



1.7404, 0.5414, 0.4083

Inverse Universe

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



34.4988, 0.1972, 0.2119



28.9651, 0.1851, 0.1849



11.4872, 0.1656, 0.0923



18.2975, 0.2980, 0.3186



14.4532, 0.1842, 0.1830



1.5488, 0.1895, 0.2020

Previews

White Background



This preview shows how the Yxy color 38.0589, 0.5173, 0.4018 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 38.0589, 0.5173, 0.4018 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 38.0589, 0.5173, 0.4018

Background



This preview shows how black text looks on a background with the Yxy color 38.0589, 0.5173, 0.4018.



This preview shows how white text looks on a background with the Yxy color 38.0589, 0.5173, 0.4018.

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

38.0589, 0.5173, 0.4018

Protanopia

38.3719, 0.4213, 0.4644

Deuteranopia

38.1622, 0.4610, 0.4522



Tritanopia

37.9310, 0.4481, 0.3202

Trichromacy



Original Color

38.0589, 0.5173, 0.4018

Protanomaly

37.4107, 0.4582, 0.4400

Deuteranomaly

37.8344, 0.4821, 0.4334

Tritanomaly

37.7708, 0.4801, 0.3541

Monochromacy



Original Color

38.0589, 0.5173, 0.4018

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.8267, 0.3884, 0.3711

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0589, 0.5173, 0.4018 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(251, 135, 49)` looks like.

```
.text, #text, p{  
    color:rgb(251, 135, 49)  
}
```

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(251, 135, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 135, 49) }
```

Border

The CSS property to change the border of an element to Yxy 38.0589, 0.5173, 0.4018 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(251, 135, 49) }
```

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

```
.border{ border-color:rgb(251, 135, 49) }
```

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

Here you see how a box with a 4 pixel rgb(251, 135, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 135, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 135, 49);  
box-shadow:4px 4px 4px 4px rgb(251, 135,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0589, 0.5173, 0.4018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 135, 49) }
```

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

```
.background{ background-color: rgb(251,  
135, 49) }
```

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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