

Converting Colors

$Y_{xy}(38.1570, 0.5044, 0.4006)$

Have a look what the booklet for
Yxy(38.1570, 0.5044, 0.4006)
contains.

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Color

Yxy(38.0960, 0.5037, 0.4006)

Conversions

Conversions Part 1

Format	Color
Hex	F68A3C
RGB	246, 138, 60
RGB Percent	96%, 54%, 24%
CMY	0.0354, 0.4587, 0.7648
CMYK	0.00, 0.44, 0.76, 0.04
HSL	25°, 91%, 60%
HSV	25°, 76%, 96%
XYZ	47.9005, 38.0960, 9.1008
YIQ	161.4000, 89.4060, -1.3620

Conversions

Conversions Part 2

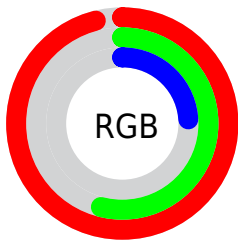
Format	Color
RYB	246, 194, 60
Decimal	16157244
CIELab	68.09, 35.43, 57.54
CIELCh	68, 67.575, 58.374
Yxy	38.0960, 0.5037, 0.4006
Android (android.graphics.Color)	4294347324 (0xFFFF68A3C)
YUV	161.4000, -49.9902, 74.1942
Hunter-Lab	61.7220, 30.5150, 34.4631

Details

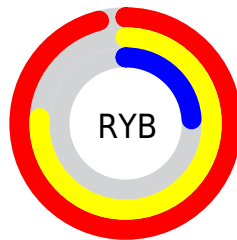
The Yxy color **38.0960, 0.5037, 0.4006** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **35.5861, 0.2025, 0.2219**, and the grayscale version is **36.0446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1291, 0.4294, 0.4097**, and **16.8459, 0.5502, 0.4013** is the 20% darker color. If you saturate the color by 10%, you get **34.0642, 0.5329, 0.3991**, and if you desaturate by 10%, it is **42.7910, 0.4723, 0.3971**.

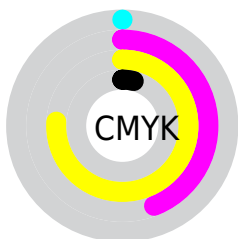
Distribution



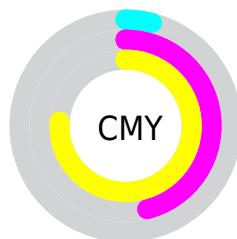
- Red (96%)
- Green (54%)
- Blue (24%)



- Red (96%)
- Yellow (76%)
- Blue (24%)



- Cyan (0%)
- Magenta (44%)
- Yellow (76%)
- Black (4%)





- Cyan (4%)
- Magenta (46%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0960, 0.5037, 0.4006 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 38.0960, 0.5037, 0.4006 by changing the saturation by 10% instead.


 38.0960, 0.5037,
0.4006


 38.0960, 0.5037,
0.4006


338.0316, 0.4094,
0.3750

 26.0572, 0.5247,
0.4026


 72.2553, 0.4709,
0.3944


 16.8664, 0.5493,
0.4024


 95.1445, 0.4581,
0.3911

 10.1393, 0.5791,
0.3985


 122.4194, 0.4470,
0.3880

 5.4914, 0.6135,
0.3865

 154.4642, 0.4374,
0.3850

 2.5384, 0.6450,
0.3550

 191.6635, 0.4290,
0.3822

 0.8958, 0.6963,
0.3037

 234.4015, 0.4217,

 0.0000, 1.0000,

0.3796

0.0000

283.0628, 0.4152,
0.3772

■ 0.0000, 0.0000,
0.0000

■ 38.0960, 0.5037,
0.4006

■ 38.0960, 0.5037,
0.4006

■ 34.0642, 0.5329,
0.3991

■ 42.7910, 0.4723,
0.3971

■ 30.6503, 0.5575,
0.3922


■ 48.1777, 0.4409,
0.3897

■ 29.3306, 0.5670,
0.3880

■ 54.2894, 0.4113,
0.3799

■ 61.1552, 0.3843,
0.3687

■ 68.8024, 0.3604,
0.3572

 77.2566, 0.3396,
0.3457

 86.5422, 0.3217,
0.3348

 96.5690, 0.3072,
0.3263

 98.3263, 0.3072,
0.3290

Harmonies

Analogous

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



38.0960, 0.4976, 0.3319



38.0960, 0.5037, 0.4006



38.0960, 0.4530, 0.4691

Triad

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



38.0960, 0.5037, 0.4006



38.0960, 0.2001, 0.3909



38.0960, 0.2323, 0.1894

Complementary

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



38.0960, 0.5037, 0.4006



35.5861, 0.2025, 0.2219

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.



38.0960, 0.1744, 0.1864



38.0960, 0.5037, 0.4006



38.0960, 0.1569, 0.2825

Square

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



38.0960, 0.5037, 0.4006



38.0960, 0.2780, 0.4913



38.0960, 0.1496, 0.2143



38.0960, 0.3231, 0.2185

Rectangle

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



38.0960, 0.5037, 0.4006



38.0960, 0.4000, 0.5047



38.0960, 0.1496, 0.2143



38.0960, 0.2091, 0.1854

Sweetspot

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



38.0980, 0.5037, 0.4006



76.9547, 0.3548, 0.3542



25.6610, 0.4166, 0.2288



15.7896, 0.3628, 0.3584



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.



38.0980, 0.5037, 0.4006



34.8342, 0.5473, 0.3959



76.7655, 0.4214, 0.4811



17.6253, 0.3283, 0.3390



15.9235, 0.5642, 0.3903



1.5980, 0.5418, 0.4080

Inverse Universe

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



35.5861, 0.2025, 0.2219



31.7257, 0.1894, 0.1966



12.7094, 0.1721, 0.1040



17.5244, 0.2980, 0.3188



14.2833, 0.1848, 0.1853



1.4583, 0.1903, 0.2050

Previews

White Background



This preview shows how the Yxy color 38.0960, 0.5037, 0.4006 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 38.0960, 0.5037, 0.4006 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 38.0960, 0.5037, 0.4006

Background



This preview shows how black text looks on a background with the Yxy color 38.0960, 0.5037, 0.4006.



This preview shows how white text looks on a background with the Yxy color 38.0960, 0.5037, 0.4006.

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

38.0960, 0.5037, 0.4006

Protanopia

38.3691, 0.4138, 0.4553

Deuteranopia

38.1300, 0.4533, 0.4442



Tritanopia

38.1533, 0.4366, 0.3199

Trichromacy



Original Color

38.0960, 0.5037, 0.4006

Protanomaly

37.4240, 0.4476, 0.4342

Deuteranomaly

37.9483, 0.4724, 0.4278

Tritanomaly

38.0406, 0.4665, 0.3530

Monochromacy



Original Color

38.0960, 0.5037, 0.4006

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

35.4442, 0.3823, 0.3685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0960, 0.5037, 0.4006 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(246, 138, 60)` looks like.

```
.text, #text, p{  
    color:rgb(246, 138, 60)  
}
```

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(246, 138, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 138, 60) }
```

Border

The CSS property to change the border of an element to Yxy 38.0960, 0.5037, 0.4006 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(246, 138, 60) }
```

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

```
.border{ border-color:rgb(246, 138, 60) }
```

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

Here you see how a box with a 4 pixel rgb(246, 138, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 138, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 138, 60);  
box-shadow:4px 4px 4px 4px rgb(246, 138,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0960, 0.5037, 0.4006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 138, 60) }
```

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

```
.background{ background-color: rgb(246,  
138, 60) }
```

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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