

Converting Colors

$Y_{xy}(38.5675, 0.4990, 0.4120)$

Have a look what the booklet for
Yxy(38.5675, 0.4990, 0.4120)
contains.

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Color

Yxy(38.6027, 0.4988, 0.4120)

Conversions

Conversions Part 1

Format	Color
Hex	F18F35
RGB	241, 143, 53
RGB Percent	95%, 56%, 21%
CMY	0.0550, 0.4391, 0.7921
CMYK	0.00, 0.41, 0.78, 0.05
HSL	29°, 87%, 58%
HSV	29°, 78%, 95%
XYZ	46.7355, 38.6027, 8.3577
YIQ	162.0420, 87.2980, -7.2140

Conversions

Conversions Part 2

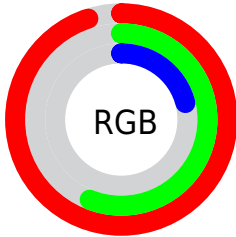
Format	Color
R _Y B	241, 226, 53
Decimal	15830837
CIE Lab	68.46, 30.58, 60.63
CIE LCh	68, 67.904, 63.232
Yxy	38.6027, 0.4988, 0.4120
Android (android.graphics.Color)	4294020917 (0xFFFF18F35)
YUV	162.0420, -53.7577, 69.2462
Hunter-Lab	62.1311, 25.5398, 35.5162

Details

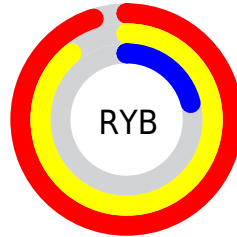
The Yxy color **38.6027, 0.4988, 0.4120** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **29.2322, 0.1959, 0.2016**, and the grayscale version is **36.3807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2331, 0.4302, 0.4196**, and **17.2380, 0.5363, 0.4124** is the 20% darker color. If you saturate the color by 10%, you get **34.8731, 0.5242, 0.4105**, and if you desaturate by 10%, it is **42.8699, 0.4707, 0.4082**.

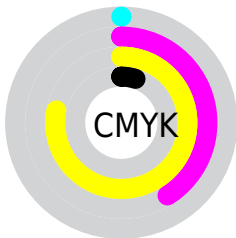
Distribution



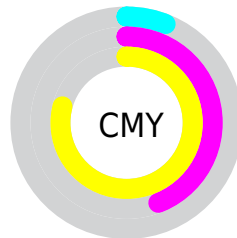
- Red (95%)
- Green (56%)
- Blue (21%)



- Red (95%)
- Yellow (89%)
- Blue (21%)



- Cyan (0%)
- Magenta (41%)
- Yellow (78%)
- Black (5%)



- Cyan (6%)
- Magenta (44%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.6027, 0.4988, 0.4120 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 38.6027, 0.4988, 0.4120 by changing the saturation by 10% instead.


 38.6027, 0.4988,
0.4120


 38.6027, 0.4988,
0.4120

340.1984, 0.4080,
0.3809

 26.4508, 0.5184,
0.4151


 73.0310, 0.4676,
0.4040

 17.1612, 0.5412,
0.4163


 96.0762, 0.4553,
0.3999


 10.3495, 0.5693,
0.4148


 123.5212, 0.4446,
0.3961

 5.6313, 0.5971,
0.4029

 155.7505, 0.4353,
0.3925

 2.6222, 0.6250,
0.3750

 193.1485, 0.4272,
0.3892

 0.9378, 0.6711,
0.3289

 236.0995, 0.4200,

 0.0000, 1.0000,

0.3862

0.0000

284.9880, 0.4137,
0.3834

■ 0.0000, 0.0000,
0.0000

■ 38.6027, 0.4988,
0.4120

■ 38.6027, 0.4988,
0.4120

■ 34.8731, 0.5242,
0.4105

■ 42.8699, 0.4707,
0.4082

■ 31.6411, 0.5455,
0.4036

■ 47.6965, 0.4419,
0.4003

■ 31.0472, 0.5495,
0.4019


■ 53.1097, 0.4140,
0.3895


■ 59.1325, 0.3881,
0.3771

■ 65.7866, 0.3646,
0.3641

 73.0921, 0.3438,
0.3511

 81.0683, 0.3256,
0.3385

 89.7335, 0.3097,
0.3267

 97.4369, 0.3041,
0.3290

Harmonies

Analogous

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



38.6027, 0.5033, 0.3428



38.6027, 0.4988, 0.4120



38.6027, 0.4412, 0.4792

Triad

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



38.6027, 0.4988, 0.4120



38.6027, 0.1905, 0.3719



38.6027, 0.2449, 0.1924

Complementary

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



38.6027, 0.4988, 0.4120



29.2322, 0.1959, 0.2016

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.



38.6027, 0.1814, 0.1849



38.6027, 0.4988, 0.4120



38.6027, 0.1533, 0.2684

Square

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



38.6027, 0.4988, 0.4120



38.6027, 0.2637, 0.4791



38.6027, 0.1514, 0.2073



38.6027, 0.3400, 0.2253

Rectangle

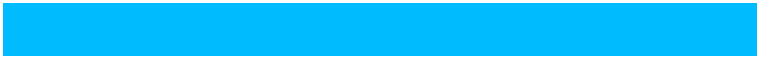
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.6027, 0.4988, 0.4120



38.6027, 0.3858, 0.5105



38.6027, 0.1514, 0.2073



38.6027, 0.2198, 0.1869

Sweetspot

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



38.6047, 0.4988, 0.4120



78.8062, 0.3540, 0.3576



23.5532, 0.4358, 0.2370



16.2345, 0.3618, 0.3624



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.



38.6047, 0.4988, 0.4120



37.2810, 0.5381, 0.4067



78.2062, 0.4166, 0.4897



17.0076, 0.3281, 0.3403



17.1064, 0.5468, 0.4040



1.6212, 0.5257, 0.4208

Inverse Universe

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



29.2322, 0.1959, 0.2016



26.1456, 0.1820, 0.1720



10.2639, 0.1669, 0.0905



16.5918, 0.2980, 0.3174



11.7525, 0.1792, 0.1650



1.1769, 0.1856, 0.1880

Previews

White Background



This preview shows how the Yxy color 38.6027, 0.4988, 0.4120 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 38.6027, 0.4988, 0.4120 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 38.6027, 0.4988, 0.4120

Background



This preview shows how black text looks on a background with the Yxy color 38.6027, 0.4988, 0.4120.



This preview shows how white text looks on a background with the Yxy color 38.6027, 0.4988, 0.4120.

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

38.6027, 0.4988, 0.4120

Protanopia

38.8963, 0.4197, 0.4623

Deuteranopia

38.7031, 0.4577, 0.4486



Tritanopia

38.6566, 0.4249, 0.3186

Trichromacy



Original Color

38.6027, 0.4988, 0.4120

Protanomaly

38.3571, 0.4496, 0.4437

Deuteranomaly

38.3764, 0.4732, 0.4348

Tritanomaly

38.2721, 0.4581, 0.3569

Monochromacy



Original Color

38.6027, 0.4988, 0.4120

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.9242, 0.3823, 0.3740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6027, 0.4988, 0.4120 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(241, 143, 53)` looks like.

```
.text, #text, p{  
    color:rgb(241, 143, 53)  
}
```

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(241, 143, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 143, 53) }
```

Border

The CSS property to change the border of an element to Yxy 38.6027, 0.4988, 0.4120 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(241, 143, 53) }
```

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

```
.border{ border-color:rgb(241, 143, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 143, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 143, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 143, 53);  
box-shadow:4px 4px 4px 4px rgb(241, 143,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6027, 0.4988, 0.4120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 143, 53) }
```

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

```
.background{ background-color: rgb(241,  
143, 53) }
```

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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