

Converting Colors

$Y_{xy}(38.6022, 0.5035, 0.3961)$

Have a look what the booklet for
Yxy(38.6022, 0.5035, 0.3961)
contains.

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Color

Yxy(38.6869, 0.5034, 0.3968)

Conversions

Conversions Part 1

Format	Color
Hex	F98A40
RGB	249, 138, 64
RGB Percent	98%, 54%, 25%
CMY	0.0235, 0.4588, 0.7490
CMYK	0.00, 0.45, 0.74, 0.02
HSL	24°, 94%, 61%
HSV	24°, 74%, 98%
XYZ	49.0801, 38.6869, 9.7302
YIQ	162.7530, 89.9100, 0.5180

Conversions

Conversions Part 2

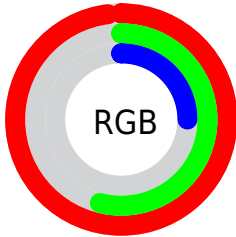
Format	Color
R_{YB}	249, 187, 64
Decimal	16353856
CIE _{Lab}	68.52, 36.81, 56.31
CIE _{LCh}	69, 67.277, 56.829
Yxy	38.6869, 0.5034, 0.3968
Android (android.graphics.Color)	4294543936 (0xFFFF98A40)
YUV	162.7530, -48.6852, 75.6386
Hunter-Lab	62.1988, 32.0037, 34.2640

Details

The Yxy color **38.6869, 0.5034, 0.3968** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **38.5832, 0.2051, 0.2292**, and the grayscale version is **36.7069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6609, 0.4259, 0.4071**, and **17.1078, 0.5497, 0.3983** is the 20% darker color. If you saturate the color by 10%, you get **34.4699, 0.5340, 0.3956**, and if you desaturate by 10%, it is **43.6240, 0.4708, 0.3931**.

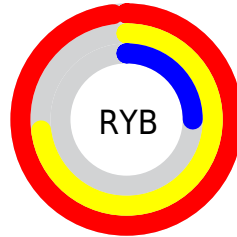
Distribution



Red (98%)

Green (54%)

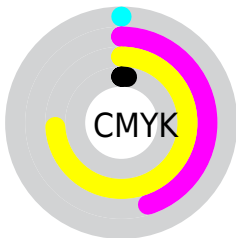
Blue (25%)



Red (98%)

Yellow (73%)

Blue (25%)

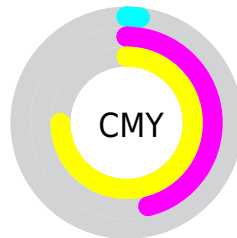


Cyan (0%)

Magenta (45%)

Yellow (74%)

Black (2%)



Cyan (2%)


Magenta (46%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6869, 0.5034, 0.3968 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 38.6869, 0.5034, 0.3968 by changing the saturation by 10% instead.


 38.6869, 0.5034,
0.3968


 38.6869, 0.5034,
0.3968


340.5575, 0.4090,
0.3729

 26.5162, 0.5245,
0.3986


 73.1598, 0.4705,
0.3911


 17.2102, 0.5496,
0.3982


 96.2308, 0.4576,
0.3880

 10.3845, 0.5793,
0.3939


 123.7040, 0.4466,
0.3851

 5.6546, 0.6167,
0.3833

 155.9639, 0.4370,
0.3823

 2.6362, 0.6485,
0.3515

 193.3947, 0.4287,
0.3797

 0.9449, 0.6996,
0.3004

236.3810, 0.4213,

 0.0000, 1.0000,

0.3772

0.0000

285.3072, 0.4148,
0.3750

■ 0.0000, 0.0000,
0.0000

■ 38.6869, 0.5034,
0.3968

■ 38.6869, 0.5034,
0.3968

■ 34.4699, 0.5340,
0.3956

■ 43.6240, 0.4708,
0.3931

■ 30.9246, 0.5601,
0.3890


■ 49.3125, 0.4387,
0.3858

■ 29.1799, 0.5727,
0.3834


■ 55.7887, 0.4087,
0.3763

■ 63.0844, 0.3817,
0.3655

■ 71.2292, 0.3579,
0.3544

 80.2513, 0.3372,
0.3436

 90.1775, 0.3195,
0.3332

 98.8792, 0.3090,
0.3290

Harmonies

Analogous

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



38.6869, 0.4937, 0.3287



38.6869, 0.5034, 0.3968



38.6869, 0.4557, 0.4650

Triad

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



38.6869, 0.5034, 0.3968



38.6869, 0.2044, 0.3963



38.6869, 0.2292, 0.1896

Complementary

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



38.6869, 0.5034, 0.3968



38.5832, 0.2051, 0.2292

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.



38.6869, 0.1733, 0.1881



38.6869, 0.5034, 0.3968



38.6869, 0.1594, 0.2878

Square

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



38.6869, 0.5034, 0.3968



38.6869, 0.2831, 0.4929



38.6869, 0.1504, 0.2178



38.6869, 0.3178, 0.2173

Rectangle

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



38.6869, 0.5034, 0.3968



38.6869, 0.4040, 0.5012



38.6869, 0.1504, 0.2178



38.6869, 0.2067, 0.1860

Sweetspot

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



38.6890, 0.5034, 0.3968



77.2735, 0.3529, 0.3519



26.9007, 0.4097, 0.2266



16.0085, 0.3588, 0.3549



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.



38.6890, 0.5034, 0.3968



34.5009, 0.5473, 0.3931



77.3799, 0.4224, 0.4777



18.3648, 0.3284, 0.3385



15.8797, 0.5699, 0.3857



1.6719, 0.5481, 0.4030

Inverse Universe

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



38.5832, 0.2051, 0.2292



34.0919, 0.1925, 0.2061



14.0391, 0.1747, 0.1101



18.3753, 0.2980, 0.3193



15.5177, 0.1867, 0.1921



1.6446, 0.1917, 0.2101

Previews

White Background



This preview shows how the Yxy color 38.6869, 0.5034, 0.3968 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 38.6869, 0.5034, 0.3968 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 38.6869, 0.5034, 0.3968

Background



This preview shows how black text looks on a background with the Yxy color 38.6869, 0.5034, 0.3968.



This preview shows how white text looks on a background with the Yxy color 38.6869, 0.5034, 0.3968.

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

38.6869, 0.5034, 0.3968

Protanopia

38.9254, 0.4107, 0.4509

Deuteranopia

38.6571, 0.4509, 0.4418



Tritanopia

38.7120, 0.4394, 0.3200

Trichromacy



Original Color

38.6869, 0.5034, 0.3968

Protanomaly

38.1114, 0.4451, 0.4300

Deuteranomaly

38.3068, 0.4717, 0.4240

Tritanomaly

38.6404, 0.4671, 0.3507

Monochromacy



Original Color

38.6869, 0.5034, 0.3968

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.1128, 0.3809, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6869, 0.5034, 0.3968 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(249, 138, 64)` looks like.

```
.text, #text, p{  
    color:rgb(249, 138, 64)  
}
```

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(249, 138, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 138, 64) }
```

Border

The CSS property to change the border of an element to Yxy 38.6869, 0.5034, 0.3968 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(249, 138, 64) }
```

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

```
.border{ border-color:rgb(249, 138, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 138, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 138, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 138, 64);  
box-shadow:4px 4px 4px 4px rgb(249, 138,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6869, 0.5034, 0.3968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 138, 64) }
```

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

```
.background{ background-color: rgb(249,  
138, 64) }
```

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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