

Converting Colors

$Yxy(38.6198, 0.4984, 0.4038)$

Have a look what the booklet for
Yxy(38.6198, 0.4984, 0.4038)
contains.

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Color

Yxy(38.6198, 0.4984, 0.4038)

Conversions

Conversions Part 1

Format	Color
Hex	F48D3D
RGB	244, 141, 61
RGB Percent	96%, 55%, 24%
CMY	0.0433, 0.4470, 0.7609
CMYK	0.00, 0.42, 0.75, 0.04
HSL	26°, 89%, 60%
HSV	26°, 75%, 96%
XYZ	47.6674, 38.6198, 9.3537
YIQ	162.6770, 87.0680, -3.0440

Conversions

Conversions Part 2

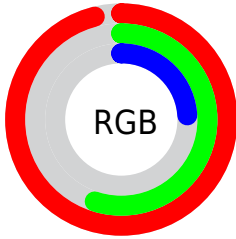
Format	Color
R_{YB}	244, 203, 61
Decimal	16026941
CIE Lab	68.47, 33.13, 57.40
CIE LCh	68, 66.276, 60.004
Yxy	38.6198, 0.4984, 0.4038
Android (android.graphics.Color)	4294217021 (0xFFFF48D3D)
YUV	162.6770, -50.1268, 71.3203
Hunter-Lab	62.1448, 28.1628, 34.5774

Details

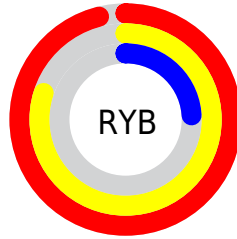
The Yxy color **38.6198, 0.4984, 0.4038** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **34.0450, 0.2019, 0.2182**, and the grayscale version is **36.6770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4825, 0.4268, 0.4117**, and **17.2574, 0.5422, 0.4077** is the 20% darker color. If you saturate the color by 10%, you get **34.6153, 0.5269, 0.4031**, and if you desaturate by 10%, it is **43.2495, 0.4678, 0.3996**.

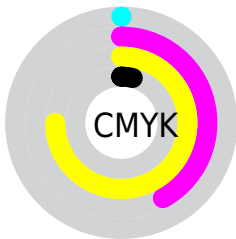
Distribution



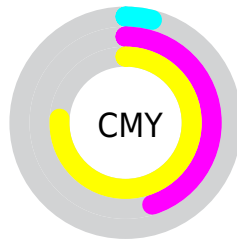
- Red (96%)
- Green (55%)
- Blue (24%)



- Red (96%)
- Yellow (80%)
- Blue (24%)



- Cyan (0%)
- Magenta (42%)
- Yellow (75%)
- Black (4%)





- Cyan (4%)
- Magenta (45%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6198, 0.4984, 0.4038 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 38.6198, 0.4984, 0.4038 by changing the saturation by 10% instead.


 38.6198, 0.4984,
0.4038


 38.6198, 0.4984,
0.4038


340.2713, 0.4069,
0.3761

 26.4641, 0.5187,
0.4064


 73.0571, 0.4666,
0.3967


 17.1711, 0.5426,
0.4072


 96.1076, 0.4541,
0.3932


 10.3566, 0.5712,
0.4044


 123.5583, 0.4434,
0.3898

 5.6360, 0.6053,
0.3947

 155.7938, 0.4341,
0.3866

 2.6250, 0.6348,
0.3652

 193.1985, 0.4260,
0.3836

 0.9393, 0.6832,
0.3168

236.1567, 0.4188,

 0.0000, 1.0000,

0.3809

0.0000

285.0529, 0.4125,
0.3784

■ 0.0000, 0.0000,
0.0000

■ 38.6198, 0.4984,
0.4038

■ 38.6198, 0.4984,
0.4038

■ 34.6153, 0.5269,
0.4031

■ 43.2495, 0.4678,
0.3996

■ 31.1939, 0.5512,
0.3968

■ 48.5299, 0.4373,
0.3916

■ 29.6850, 0.5618,
0.3921


■ 54.4919, 0.4085,
0.3812

■ 61.1623, 0.3822,
0.3696

■ 68.5660, 0.3588,
0.3576

 76.7267, 0.3384,
0.3457

 85.6668, 0.3206,
0.3344

 95.3330, 0.3060,
0.3249

 97.9678, 0.3059,
0.3290

Harmonies

Analogous

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



38.6198, 0.4954, 0.3360



38.6198, 0.4984, 0.4038



38.6198, 0.4469, 0.4702

Triad

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



38.6198, 0.4984, 0.4038



38.6198, 0.1994, 0.3833



38.6198, 0.2381, 0.1929

Complementary

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



38.6198, 0.4984, 0.4038



34.0450, 0.2019, 0.2182

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.



38.6198, 0.1792, 0.1885



38.6198, 0.4984, 0.4038



38.6198, 0.1586, 0.2792

Square

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



38.6198, 0.4984, 0.4038



38.6198, 0.2744, 0.4831



38.6198, 0.1531, 0.2144



38.6198, 0.3285, 0.2228

Rectangle

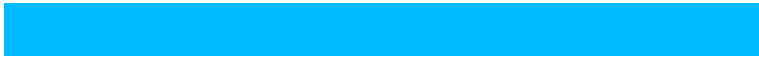
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.6198, 0.4984, 0.4038



38.6198, 0.3942, 0.5030



38.6198, 0.1531, 0.2144



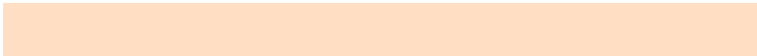
38.6198, 0.2147, 0.1884

Sweetspot

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



38.6218, 0.4984, 0.4038



77.5069, 0.3546, 0.3552



25.2678, 0.4199, 0.2320



15.9222, 0.3625, 0.3596



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.



38.6218, 0.4984, 0.4038



36.2262, 0.5402, 0.4005



77.1487, 0.4187, 0.4826



17.6752, 0.3283, 0.3394



16.4066, 0.5590, 0.3943



1.6428, 0.5373, 0.4116

Inverse Universe

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



34.0450, 0.2019, 0.2182



30.7458, 0.1885, 0.1924



12.3099, 0.1723, 0.1028



17.4736, 0.2980, 0.3184



13.5981, 0.1831, 0.1791



1.3996, 0.1888, 0.1995

Previews

White Background



This preview shows how the Yxy color 38.6198, 0.4984, 0.4038 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 38.6198, 0.4984, 0.4038 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 38.6198, 0.4984, 0.4038

Background



This preview shows how black text looks on a background with the Yxy color 38.6198, 0.4984, 0.4038.



This preview shows how white text looks on a background with the Yxy color 38.6198, 0.4984, 0.4038.

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

38.6198, 0.4984, 0.4038

Protanopia

38.8740, 0.4133, 0.4548

Deuteranopia

38.6274, 0.4526, 0.4440



Tritanopia

38.6845, 0.4297, 0.3197

Trichromacy



Original Color

38.6198, 0.4984, 0.4038

Protanomaly

38.1125, 0.4450, 0.4355

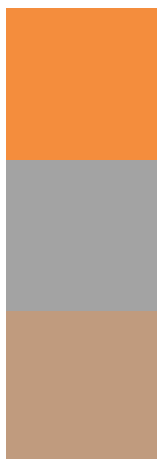
Deuteranomaly

38.2815, 0.4707, 0.4281

Tritanomaly

38.5747, 0.4594, 0.3534

Monochromacy



Original Color

38.6198, 0.4984, 0.4038

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.1555, 0.3793, 0.3684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6198, 0.4984, 0.4038 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(244, 141, 61)` looks like.

```
.text, #text, p{  
    color:rgb(244, 141, 61)  
}
```

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(244, 141, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 141, 61) }
```

Border

The CSS property to change the border of an element to Yxy 38.6198, 0.4984, 0.4038 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(244, 141, 61) }
```

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

```
.border{ border-color:rgb(244, 141, 61) }
```

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

Here you see how a box with a 4 pixel rgb(244, 141, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 141, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 141, 61);  
box-shadow:4px 4px 4px 4px rgb(244, 141,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6198, 0.4984, 0.4038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 141, 61) }
```

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

```
.background{ background-color: rgb(244,  
141, 61) }
```

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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