

Converting Colors

$Y_{xy}(38.4475, 0.4803, 0.4003)$

Have a look what the booklet for
Yxy(38.4475, 0.4803, 0.4003)
contains.

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Color

Yxy(38.4455, 0.4803, 0.4003)

Conversions

Conversions Part 1

Format	Color
Hex	ED904A
RGB	237, 144, 74
RGB Percent	93%, 56%, 29%
CMY	0.0707, 0.4352, 0.7098
CMYK	0.00, 0.39, 0.69, 0.07
HSL	26°, 82%, 61%
HSV	26°, 69%, 93%
XYZ	46.1288, 38.4455, 11.4674
YIQ	163.8270, 77.8980, -2.0540

Conversions

Conversions Part 2

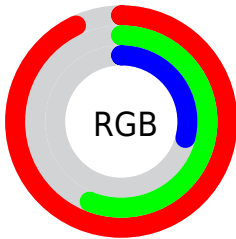
Format	Color
R _{YB}	237, 197, 74
Decimal	15568970
CIE Lab	68.35, 29.36, 50.98
CIE LCh	68, 58.829, 60.059
Yxy	38.4455, 0.4803, 0.4003
Android (android.graphics.Color)	4293759050 (0xFFED904A)
YUV	163.8270, -44.2847, 64.1727
Hunter-Lab	62.0044, 24.2891, 32.4377

Details

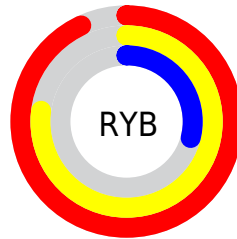
The Yxy color **38.4455, 0.4803, 0.4003** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **35.1903, 0.2095, 0.2310**, and the grayscale version is **37.2263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1288, 0.4164, 0.4036**, and **17.1207, 0.5225, 0.4071** is the 20% darker color. If you saturate the color by 10%, you get **34.3330, 0.5107, 0.4027**, and if you desaturate by 10%, it is **43.1725, 0.4492, 0.3937**.

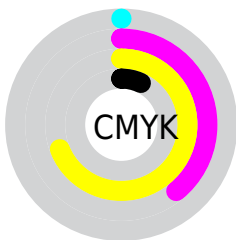
Distribution



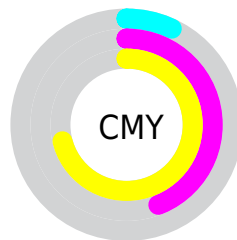
- Red (93%)
- Green (56%)
- Blue (29%)



- Red (93%)
- Yellow (77%)
- Blue (29%)



- Cyan (0%)
- Magenta (39%)
- Yellow (69%)
- Black (7%)




- Cyan (7%)
- Magenta (44%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.4455, 0.4803, 0.4003 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 38.4455, 0.4803, 0.4003 by changing the saturation by 10% instead.

 38.4455, 0.4803,
0.4003


 38.4455, 0.4803,
0.4003


339.5272, 0.3964,
0.3718


 26.3286, 0.4997,
0.4042


 72.7905, 0.4506,
0.3922


 17.0697, 0.5231,
0.4069


 95.7873, 0.4392,
0.3884

 10.2842, 0.5511,
0.4069


 123.1797, 0.4294,
0.3850

 5.5878, 0.5934,
0.4066

 155.3519, 0.4210,
0.3818

 2.5961, 0.6206,
0.3794

 192.6884, 0.4136,
0.3789

 0.9247, 0.6658,
0.3342

235.5735, 0.4072,

 0.0000, 1.0000,

0.3763

0.0000

284.3916, 0.4015,
0.3739

■ 0.0000, 0.0000,
0.0000

■ 38.4455, 0.4803,
0.4003

■ 38.4455, 0.4803,
0.4003

■ 34.3330, 0.5107,
0.4027

■ 43.1725, 0.4492,
0.3937

■ 30.7975, 0.5383,
0.3998

■ 48.5364, 0.4194,
0.3843

■ 27.8013, 0.5611,
0.3917

■ 54.5656, 0.3919,
0.3732

■ 27.4667, 0.5638,
0.3905

■ 61.2844, 0.3673,
0.3615

■ 68.7161, 0.3457,
0.3497

 76.8823, 0.3270,
0.3384

 85.8041, 0.3109,
0.3277

 94.9362, 0.3017,
0.3262

 96.7406, 0.3017,
0.3290

Harmonies

Analogous

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



38.4455, 0.4757, 0.3378



38.4455, 0.4803, 0.4003



38.4455, 0.4358, 0.4587

Triad

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



38.4455, 0.4803, 0.4003



38.4455, 0.2112, 0.3774



38.4455, 0.2460, 0.2049

Complementary

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



38.4455, 0.4803, 0.4003



35.1903, 0.2095, 0.2310

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.



38.4455, 0.1914, 0.2013



38.4455, 0.4803, 0.4003



38.4455, 0.1728, 0.2859

Square

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



38.4455, 0.4803, 0.4003



38.4455, 0.2800, 0.4635



38.4455, 0.1670, 0.2262



38.4455, 0.3277, 0.2326

Rectangle

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



38.4455, 0.4803, 0.4003



38.4455, 0.3887, 0.4854



38.4455, 0.1670, 0.2262



38.4455, 0.2245, 0.2008

Sweetspot

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



38.4475, 0.4803, 0.4003



79.0555, 0.3505, 0.3524



25.7652, 0.4030, 0.2332



16.3937, 0.3563, 0.3557



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.



38.4475, 0.4803, 0.4003



38.5652, 0.5238, 0.4020



71.4822, 0.4146, 0.4731



16.1183, 0.3282, 0.3392



15.2481, 0.5610, 0.3928



1.3849, 0.5367, 0.4121

Inverse Universe

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



35.1903, 0.2095, 0.2310



34.3165, 0.1946, 0.2065



14.4796, 0.1830, 0.1229



15.9752, 0.2981, 0.3186



13.0915, 0.1839, 0.1821



1.2184, 0.1901, 0.2044

Previews

White Background



This preview shows how the Yxy color 38.4455, 0.4803, 0.4003 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 38.4455, 0.4803, 0.4003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

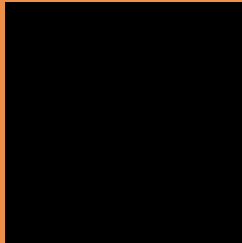
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.4455, 0.4803, 0.4003

Background



This preview shows how black text looks on a background with the Yxy color 38.4455, 0.4803, 0.4003.



This preview shows how white text looks on a background with the Yxy color 38.4455, 0.4803, 0.4003.

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

38.4455, 0.4803, 0.4003

Protanopia

38.5458, 0.4049, 0.4419

Deuteranopia

38.5039, 0.4414, 0.4331



Tritanopia

38.3844, 0.4168, 0.3183

Trichromacy



Original Color

38.4455, 0.4803, 0.4003

Protanomaly

38.1837, 0.4326, 0.4271

Deuteranomaly

38.4716, 0.4559, 0.4215

Tritanomaly

38.3466, 0.4434, 0.3501

Monochromacy



Original Color

38.4455, 0.4803, 0.4003

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.8290, 0.3724, 0.3644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4455, 0.4803, 0.4003 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(237, 144, 74)` looks like.

```
.text, #text, p{  
    color:rgb(237, 144, 74)  
}
```

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(237, 144, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 144, 74) }
```

Border

The CSS property to change the border of an element to Yxy 38.4455, 0.4803, 0.4003 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(237, 144, 74) }
```

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

```
.border{ border-color:rgb(237, 144, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 144, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 144, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 144, 74);  
box-shadow:4px 4px 4px 4px rgb(237, 144,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4455, 0.4803, 0.4003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 144, 74) }
```

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

```
.background{ background-color: rgb(237,  
144, 74) }
```

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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