

Converting Colors

$Y_{xy}(38.4896, 0.5039, 0.4381)$

Have a look what the booklet for
Yxy(38.4896, 0.5039, 0.4381)
contains.

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Color

Yxy(38.5034, 0.5033, 0.4385)

Conversions

Conversions Part 1

Format	Color
Hex	E99400
RGB	233, 148, 0
RGB Percent	91%, 58%, 0%
CMY	0.0863, 0.4196, 0.9989
CMYK	0.00, 0.36, 1.00, 0.09
HSL	38°, 100%, 46%
HSV	38°, 100%, 91%
XYZ	44.1933, 38.5034, 5.1104
YIQ	156.5430, 98.1680, -28.0080

Conversions

Conversions Part 2

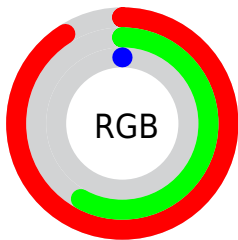
Format	Color
RYB	134, 233, 0
Decimal	15307776
CIELab	68.39, 23.61, 73.36
CIELCh	68, 77.061, 72.163
Yxy	38.5034, 0.5033, 0.4385
Android (android.graphics.Color)	4293497856 (0xFFE99400)
YUV	156.5430, -77.1757, 67.0528
Hunter-Lab	62.0511, 18.5397, 38.5528

Details

The Yxy color **38.5034, 0.5033, 0.4385** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark washed orange. A complement of this color would be **12.4229, 0.1650, 0.1140**, and the grayscale version is **33.8365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0091, 0.4440, 0.4467**, and **17.2073, 0.5204, 0.4250** is the 20% darker color. If you saturate the color by 10%, you get **38.4726, 0.5035, 0.4385**, and if you desaturate by 10%, it is **41.3373, 0.4893, 0.4422**.

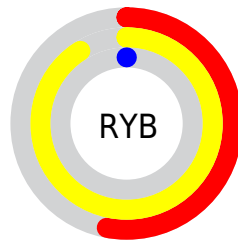
Distribution



Red (91%)

Green (58%)

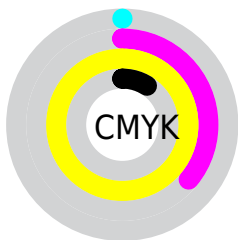
Blue (0%)



Red (53%)

Yellow (91%)

Blue (0%)

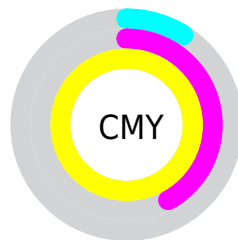


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5034, 0.5033, 0.4385 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 38.5034, 0.5033, 0.4385 by changing the saturation by 10% instead.


 38.5034, 0.5033,
0.4385


 38.5034, 0.5033,
0.4385


339.7745, 0.4149,
0.3979

 26.3736, 0.5201,
0.4422


 72.8791, 0.4747,
0.4284


 17.1034, 0.5384,
0.4434


 95.8937, 0.4627,
0.4231


 10.3082, 0.5590,
0.4410


 123.3055, 0.4522,
0.4181

 5.6038, 0.5740,
0.4260

 155.4988, 0.4429,
0.4134

 2.6057, 0.5969,
0.4031

 192.8579, 0.4347,
0.4090


 0.9295, 0.6357,
0.3643

 235.7673, 0.4274,


 0.0000, 1.0000,


0.4050


0.0000


 284.6114, 0.4208,
0.4013


 0.0000, 0.0000,
0.0000


 38.5034, 0.5033,
0.4385


 38.5034, 0.5033,
0.4385

 38.4726, 0.5035,
0.4385

 41.3373, 0.4893,
0.4422

 44.4460, 0.4721,
0.4411

 47.8591, 0.4521,
0.4349

 51.5944, 0.4304,
0.4243

 55.6674, 0.4081,
0.4106

■ 60.0921, 0.3862,
0.3948

■ 64.8813, 0.3653,
0.3780

■ 70.0470, 0.3460,
0.3611

■ 75.6002, 0.3284,
0.3446

Harmonies

Analogous

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



38.5034, 0.5327, 0.3618



38.5034, 0.5033, 0.4385



38.5034, 0.4248, 0.5126

Triad

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



38.5034, 0.5033, 0.4385



38.5034, 0.1596, 0.3368



38.5034, 0.2644, 0.1867

Complementary

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



38.5034, 0.5033, 0.4385



12.4229, 0.1650, 0.1140

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.



38.5034, 0.1839, 0.1698



38.5034, 0.5033, 0.4385



38.5034, 0.1330, 0.2336

Square

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



38.5034, 0.5033, 0.4385



38.5034, 0.2277, 0.4708



38.5034, 0.1418, 0.1824



38.5034, 0.3784, 0.2294

Rectangle

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



38.5034, 0.5033, 0.4385



38.5034, 0.3595, 0.5415



38.5034, 0.1418, 0.1824



38.5034, 0.2331, 0.1780

Sweetspot

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



38.5054, 0.5033, 0.4385



79.4674, 0.3659, 0.3785



17.9938, 0.5546, 0.2829



16.4654, 0.3745, 0.3857



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.



38.5054, 0.5033, 0.4385



47.0578, 0.5040, 0.4380



70.8246, 0.3957, 0.5240



16.6483, 0.3277, 0.3439



22.0761, 0.5018, 0.4398



1.9156, 0.4874, 0.4512

Inverse Universe

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



12.4229, 0.1650, 0.1140



15.0701, 0.1647, 0.1130



6.1849, 0.1545, 0.0625



15.4496, 0.2980, 0.3136



7.2483, 0.1657, 0.1166



0.7469, 0.1734, 0.1443

Previews

White Background



This preview shows how the Yxy color 38.5034, 0.5033, 0.4385 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 38.5034, 0.5033, 0.4385 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 38.5034, 0.5033, 0.4385

Background



This preview shows how black text looks on a background with the Yxy color 38.5034, 0.5033, 0.4385.



This preview shows how white text looks on a background with the Yxy color 38.5034, 0.5033, 0.4385.

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

38.5034, 0.5033, 0.4385

Protanopia

38.8646, 0.4379, 0.4850

Deuteranopia

38.6452, 0.4713, 0.4639



Tritanopia

38.6658, 0.4116, 0.3181

Trichromacy



Original Color

38.5034, 0.5033, 0.4385

Protanomaly

38.4930, 0.4620, 0.4682

Deuteranomaly

38.5028, 0.4832, 0.4545

Tritanomaly

38.1587, 0.4649, 0.3805

Monochromacy



Original Color

38.5034, 0.5033, 0.4385

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.3456, 0.3979, 0.4035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5034, 0.5033, 0.4385 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(233, 148, 0)` looks like.

```
.text, #text, p{  
    color:rgb(233, 148, 0)  
}
```

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(233, 148, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 148, 0) }
```

Border

The CSS property to change the border of an element to Yxy 38.5034, 0.5033, 0.4385 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(233, 148, 0) }
```

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

```
.border{ border-color:rgb(233, 148, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 148, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 148, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 148, 0);  
box-shadow:4px 4px 4px 4px rgb(233, 148,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5034, 0.5033, 0.4385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 148, 0) }
```

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

```
.background{ background-color: rgb(233,  
148, 0) }
```

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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