

Converting Colors

$Y_{xy}(39.1402, 0.4637, 0.3875)$

Have a look what the booklet for
Yxy(39.1402, 0.4637, 0.3875)
contains.

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Color

Yxy(39.1460, 0.4634, 0.3880)

Conversions

Conversions Part 1

Format	Color
Hex	EC925B
RGB	236, 146, 91
RGB Percent	93%, 57%, 36%
CMY	0.0746, 0.4274, 0.6431
CMYK	0.00, 0.38, 0.61, 0.07
HSL	23°, 79%, 64%
HSV	23°, 61%, 93%
XYZ	46.7532, 39.1460, 14.9925
YIQ	166.6400, 71.2950, 1.9750

Conversions

Conversions Part 2

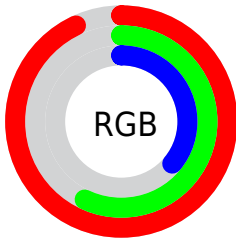
Format	Color
RYB	236, 180, 91
Decimal	15503963
CIELab	68.86, 28.93, 43.03
CIELCh	69, 51.851, 56.083
Yxy	39.1460, 0.4634, 0.3880
Android (android.graphics.Color)	4293694043 (0xFFEC925B)
YUV	166.6400, -37.2905, 60.8287
Hunter-Lab	62.5668, 23.8929, 29.5894

Details

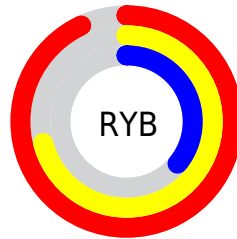
The Yxy color **39.1460, 0.4634, 0.3880** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **41.3142, 0.2211, 0.2539**, and the grayscale version is **38.6203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5215, 0.4027, 0.3891**, and **17.5817, 0.5048, 0.3960** is the 20% darker color. If you saturate the color by 10%, you get **34.5727, 0.4969, 0.3925**, and if you desaturate by 10%, it is **44.4296, 0.4310, 0.3804**.

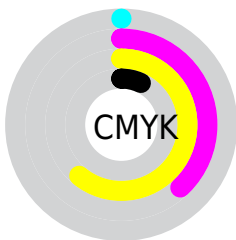
Distribution



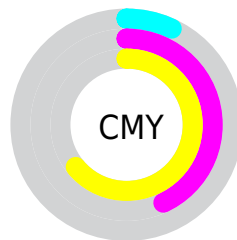
- Red (93%)
- Green (57%)
- Blue (36%)



- Red (93%)
- Yellow (71%)
- Blue (36%)



- Cyan (0%)
- Magenta (38%)
- Yellow (61%)
- Black (7%)




- Cyan (7%)
- Magenta (43%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.1460, 0.4634, 0.3880 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 39.1460, 0.4634, 0.3880 by changing the saturation by 10% instead.


 39.1460, 0.4634,
0.3880

 39.1460, 0.4634,
0.3880

342.5108, 0.3870,
0.3636


 26.8733, 0.4818,
0.3918


 73.8613, 0.4359,
0.3807


 17.4781, 0.5047,
0.3951


 97.0727, 0.4254,
0.3775

 10.5760, 0.5332,
0.3968


 124.6992, 0.4166,
0.3745

 5.7825, 0.5718,
0.3960

 157.1251, 0.4089,
0.3719

 2.7133, 0.6172,
0.3828

194.7348, 0.4023,
0.3695

 0.9839, 0.6607,
0.3393

237.9127, 0.3966,

 0.0000, 1.0000,

0.3674

0.0000

287.0433, 0.3915,
0.3654

0.0000, 0.0000,
0.0000

39.1460, 0.4634,
0.3880

39.1460, 0.4634,
0.3880

34.5727, 0.4969,
0.3925

44.4296, 0.4310,
0.3804

30.6695, 0.5294,
0.3925

50.4489, 0.4013,
0.3709

27.4002, 0.5579,
0.3873

57.2354, 0.3748,
0.3606

25.0634, 0.5780,
0.3792

64.8165, 0.3517,
0.3501

73.2183, 0.3319,
0.3399

■ 82.4657, 0.3149,
0.3303

■ 92.5049, 0.3011,
0.3226

■ 96.5682, 0.3011,
0.3290

Harmonies

Analogous

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



39.1460, 0.4514, 0.3315



39.1460, 0.4634, 0.3880



39.1460, 0.4305, 0.4401

Triad

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



39.1460, 0.4634, 0.3880



39.1460, 0.2302, 0.3827



39.1460, 0.2459, 0.2158

Complementary

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



39.1460, 0.4634, 0.3880



41.3142, 0.2211, 0.2539

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.



39.1460, 0.1997, 0.2163



39.1460, 0.4634, 0.3880



39.1460, 0.1907, 0.3018

Square

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



39.1460, 0.4634, 0.3880



39.1460, 0.2948, 0.4514



39.1460, 0.1810, 0.2438



39.1460, 0.3161, 0.2382

Rectangle

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



39.1460, 0.4634, 0.3880



39.1460, 0.3911, 0.4640



39.1460, 0.1810, 0.2438



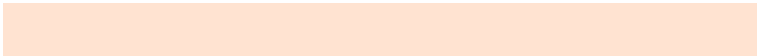
39.1460, 0.2275, 0.2132

Sweetspot

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



39.1480, 0.4634, 0.3880



80.5428, 0.3447, 0.3466



28.7246, 0.3798, 0.2329



16.6321, 0.3508, 0.3497



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.



39.1480, 0.4634, 0.3880



39.8062, 0.5065, 0.3930



68.0269, 0.4106, 0.4565



15.9908, 0.3283, 0.3380



14.0493, 0.5751, 0.3815



1.2836, 0.5492, 0.4021

Inverse Universe

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



41.3142, 0.2211, 0.2539



42.4195, 0.2067, 0.2349



19.5056, 0.1984, 0.1544



16.1059, 0.2981, 0.3198



15.0038, 0.1889, 0.1999



1.3627, 0.1944, 0.2197

Previews

White Background



This preview shows how the Yxy color 39.1460, 0.4634, 0.3880 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 39.1460, 0.4634, 0.3880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

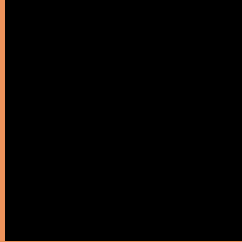
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.1460, 0.4634, 0.3880

Background



This preview shows how black text looks on a background with the Yxy color 39.1460, 0.4634, 0.3880.



This preview shows how white text looks on a background with the Yxy color 39.1460, 0.4634, 0.3880.

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

39.1460, 0.4634, 0.3880

Protanopia

39.4671, 0.3885, 0.4235

Deuteranopia

39.1116, 0.4269, 0.4168



Tritanopia

39.1604, 0.4111, 0.3182

Trichromacy



Original Color

39.1460, 0.4634, 0.3880

Protanomaly

39.0308, 0.4155, 0.4107

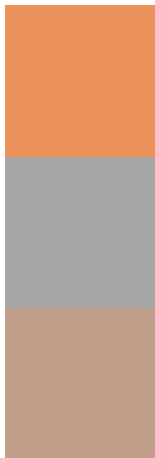
Deuteranomaly

39.0694, 0.4409, 0.4059

Tritanomaly

39.2552, 0.4319, 0.3449

Monochromacy



Original Color

39.1460, 0.4634, 0.3880

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

37.8668, 0.3648, 0.3560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1460, 0.4634, 0.3880 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(236, 146, 91)` looks like.

```
.text, #text, p{  
    color:rgb(236, 146, 91)  
}
```

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(236, 146, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 146, 91) }
```

Border

The CSS property to change the border of an element to Yxy 39.1460, 0.4634, 0.3880 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(236, 146, 91) }
```

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

```
.border{ border-color:rgb(236, 146, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 146, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 146, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 146, 91);  
box-shadow:4px 4px 4px 4px rgb(236, 146,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1460, 0.4634, 0.3880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 146, 91) }
```

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

```
.background{ background-color: rgb(236,  
146, 91) }
```

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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