

Converting Colors

$Y_{xy}(39.1907, 0.4660, 0.4060)$

Have a look what the booklet for
Yxy(39.1907, 0.4660, 0.4060)
contains.

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Color

Yxy(39.1857, 0.4654, 0.4061)

Conversions

Conversions Part 1

Format	Color
Hex	E6964E
RGB	230, 150, 78
RGB Percent	90%, 59%, 31%
CMY	0.0981, 0.4117, 0.6942
CMYK	0.00, 0.35, 0.66, 0.10
HSL	28°, 75%, 60%
HSV	28°, 66%, 90%
XYZ	44.9077, 39.1857, 12.3993
YIQ	165.7120, 70.7920, -5.4320

Conversions

Conversions Part 2

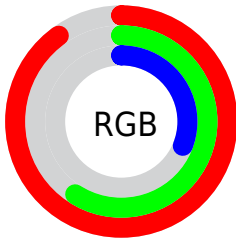
Format	Color
R_{YB}	230, 215, 78
Decimal	15111758
CIE _{Lab}	68.89, 23.55, 49.41
CIE _{LCh}	69, 54.736, 64.522
Yxy	39.1857, 0.4654, 0.4061
Android (android.graphics.Color)	4293301838 (0xFFE6964E)
YUV	165.7120, -43.2420, 56.3806
Hunter-Lab	62.5985, 18.5073, 32.0750

Details

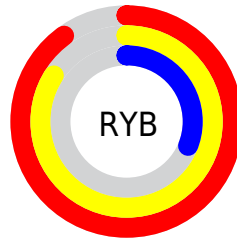
The Yxy color **39.1857, 0.4654, 0.4061** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **31.7595, 0.2105, 0.2256**, and the grayscale version is **38.1741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0574, 0.4095, 0.4046**, and **17.5489, 0.5046, 0.4169** is the 20% darker color. If you saturate the color by 10%, you get **35.2494, 0.4939, 0.4107**, and if you desaturate by 10%, it is **43.6398, 0.4365, 0.3976**.

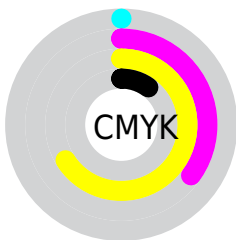
Distribution



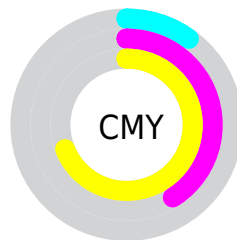
- Red (90%)
- Green (59%)
- Blue (31%)



- Red (90%)
- Yellow (84%)
- Blue (31%)



- Cyan (0%)
- Magenta (35%)
- Yellow (66%)
- Black (10%)





- Cyan (10%)
- Magenta (41%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.1857, 0.4654, 0.4061 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 39.1857, 0.4654, 0.4061 by changing the saturation by 10% instead.


 39.1857, 0.4654,
0.4061


 39.1857, 0.4654,
0.4061


342.6794, 0.3891,
0.3733


 26.9042, 0.4831,
0.4115


 73.9219, 0.4384,
0.3961

 17.5013, 0.5045,
0.4165


 97.1454, 0.4280,
0.3917


 10.5925, 0.5304,
0.4198


 124.7851, 0.4191,
0.3878

 5.7936, 0.5718,
0.4262

 157.2253, 0.4114,
0.3842

 2.7200, 0.5952,
0.4048

 194.8505, 0.4047,
0.3811

 0.9873, 0.6329,
0.3671

238.0449, 0.3989,

 0.0000, 1.0000,

0.3782

0.0000

287.1931, 0.3937,
0.3756

■ 0.0000, 0.0000,
0.0000

■ 39.1857, 0.4654,
0.4061

■ 39.1857, 0.4654,
0.4061

■ 35.2494, 0.4939,
0.4107

■ 43.6398, 0.4365,
0.3976

■ 31.8004, 0.5203,
0.4103

■ 48.6282, 0.4089,
0.3866


■ 28.8122, 0.5426,
0.4044

■ 54.1734, 0.3834,
0.3741


■ 27.7570, 0.5505,
0.4011


■ 60.2946, 0.3604,
0.3612

■ 67.0102, 0.3401,
0.3484

 74.3373, 0.3224,
0.3361

 82.2924, 0.3070,
0.3246

 90.4353, 0.2975,
0.3207

 95.5587, 0.2975,
0.3290

Harmonies

Analogous

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



39.1857, 0.4677, 0.3472



39.1857, 0.4654, 0.4061



39.1857, 0.4196, 0.4575

Triad

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



39.1857, 0.4654, 0.4061



39.1857, 0.2111, 0.3606



39.1857, 0.2609, 0.2150

Complementary

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



39.1857, 0.4654, 0.4061



31.7595, 0.2105, 0.2256

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.



39.1857, 0.2050, 0.2083



39.1857, 0.4654, 0.4061



39.1857, 0.1790, 0.2794

Square

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



39.1857, 0.4654, 0.4061



39.1857, 0.2723, 0.4428



39.1857, 0.1776, 0.2281



39.1857, 0.3396, 0.2443

Rectangle

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



39.1857, 0.4654, 0.4061



39.1857, 0.3740, 0.4769



39.1857, 0.1776, 0.2281



39.1857, 0.2392, 0.2101

Sweetspot

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



39.1877, 0.4654, 0.4061



81.2019, 0.3479, 0.3535



24.7685, 0.4088, 0.2433



16.8690, 0.3537, 0.3571



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.



39.1877, 0.4654, 0.4061



43.0282, 0.5031, 0.4112



71.1686, 0.4065, 0.4751



15.4891, 0.3281, 0.3402



15.9595, 0.5479, 0.4031



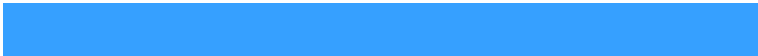
1.3643, 0.5243, 0.4219

Inverse Universe

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



31.7595, 0.2105, 0.2256



32.9656, 0.1950, 0.2007



13.5232, 0.1858, 0.1225



15.1357, 0.2981, 0.3176



11.2208, 0.1797, 0.1669



1.0150, 0.1868, 0.1924

Previews

White Background



This preview shows how the Yxy color 39.1857, 0.4654, 0.4061 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 39.1857, 0.4654, 0.4061 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 39.1857, 0.4654, 0.4061

Background



This preview shows how black text looks on a background with the Yxy color 39.1857, 0.4654, 0.4061.



This preview shows how white text looks on a background with the Yxy color 39.1857, 0.4654, 0.4061.

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

39.1857, 0.4654, 0.4061

Protanopia

39.4551, 0.4022, 0.4404

Deuteranopia

39.2049, 0.4389, 0.4287



Tritanopia

39.2752, 0.4015, 0.3179

Trichromacy



Original Color

39.1857, 0.4654, 0.4061

Protanomaly

39.0064, 0.4251, 0.4274

Deuteranomaly

39.0505, 0.4494, 0.4198

Tritanomaly

39.0551, 0.4276, 0.3521

Monochromacy



Original Color

39.1857, 0.4654, 0.4061

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.6817, 0.3662, 0.3645

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1857, 0.4654, 0.4061 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(230, 150, 78)` looks like.

```
.text, #text, p{  
    color:rgb(230, 150, 78)  
}
```

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(230, 150, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 150, 78) }
```

Border

The CSS property to change the border of an element to Yxy 39.1857, 0.4654, 0.4061 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(230, 150, 78) }
```

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

```
.border{ border-color:rgb(230, 150, 78) }
```

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

Here you see how a box with a 4 pixel rgb(230, 150, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 150, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 150, 78);  
box-shadow:4px 4px 4px 4px rgb(230, 150,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1857, 0.4654, 0.4061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 150, 78) }
```

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

```
.background{ background-color: rgb(230,  
150, 78) }
```

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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