

Converting Colors

$Y_{xy}(35.7960, 0.4839, 0.3922)$

Have a look what the booklet for
Yxy(35.7960, 0.4839, 0.3922)
contains.

Yxy(35.8917, 0.4836, 0.3931)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.8917, 0.4836, 0.3931)

Conversions

Conversions Part 1

Format	Color
Hex	EA894B
RGB	234, 137, 75
RGB Percent	92%, 54%, 29%
CMY	0.0822, 0.4628, 0.7059
CMYK	0.00, 0.41, 0.68, 0.08
HSL	23°, 79%, 61%
HSV	23°, 68%, 92%
XYZ	44.1547, 35.8917, 11.2578
YIQ	158.9350, 77.7140, 1.2820

Conversions

Conversions Part 2

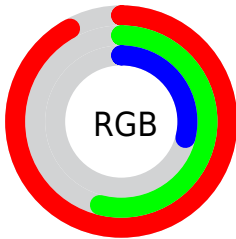
Format	Color
R _Y B	234, 177, 75
Decimal	15370571
CIE Lab	66.44, 31.91, 48.26
CIE LCh	66, 57.858, 56.528
Yxy	35.8917, 0.4836, 0.3931
Android (android.graphics.Color)	4293560651 (0xFFEA894B)
YUV	158.9350, -41.3800, 65.8320
Hunter-Lab	59.9097, 26.7164, 30.7954

Details

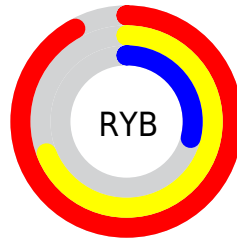
The Yxy color **35.8917, 0.4836, 0.3931** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **36.9608, 0.2129, 0.2419**, and the grayscale version is **34.8065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0280, 0.4197, 0.3959**, and **15.6100, 0.5292, 0.3984** is the 20% darker color. If you saturate the color by 10%, you get **31.8352, 0.5162, 0.3950**, and if you desaturate by 10%, it is **40.6071, 0.4507, 0.3872**.

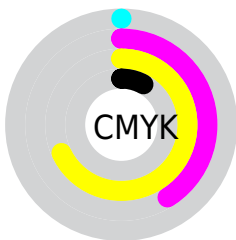
Distribution



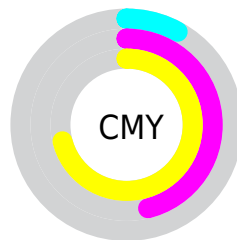
- Red (92%)
- Green (54%)
- Blue (29%)



- Red (92%)
- Yellow (69%)
- Blue (29%)



- Cyan (0%)
- Magenta (41%)
- Yellow (68%)
- Black (8%)





- Cyan (8%)
- Magenta (46%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8917, 0.4836, 0.3931 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 35.8917, 0.4836, 0.3931 by changing the saturation by 10% instead.


 35.8917, 0.4836,
0.3931

 35.8917, 0.4836,
0.3931


328.4869, 0.3967,
0.3679

 24.3506, 0.5042,
0.3962


 68.8649, 0.4525,
0.3861

 15.5939, 0.5293,
0.3979


 91.0657, 0.4406,
0.3828


 9.2372, 0.5599,
0.3964


 117.5886, 0.4305,
0.3798

 4.8962, 0.6063,
0.3937

 148.8178, 0.4218,
0.3769

 2.1865, 0.6378,
0.3622

 185.1379, 0.4142,
0.3744

 0.7126, 0.6942,
0.3058

226.9332, 0.4076,

 0.0000, 1.0000,

0.3720

0.0000

274.5881, 0.4018,
0.3699

■ 0.0000, 0.0000,
0.0000

■ 35.8917, 0.4836,
0.3931

■ 35.8917, 0.4836,
0.3931

■ 31.8352, 0.5162,
0.3950

■ 40.6071, 0.4507,
0.3872

■ 28.3975, 0.5459,
0.3919

■ 46.0073, 0.4196,
0.3785

■ 25.5392, 0.5704,
0.3835

■ 52.1231, 0.3912,
0.3684


■ 25.0170, 0.5751,
0.3816

■ 58.9815, 0.3662,
0.3576

■ 66.6082, 0.3444,
0.3470

 75.0274, 0.3257,
0.3367

 84.2622, 0.3096,
0.3271

 93.8602, 0.3000,
0.3252

 96.2374, 0.3000,
0.3290

Harmonies

Analogous

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



35.8917, 0.4724, 0.3305



35.8917, 0.4836, 0.3931



35.8917, 0.4436, 0.4532

Triad

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



35.8917, 0.4836, 0.3931



35.8917, 0.2173, 0.3893



35.8917, 0.2376, 0.2025

Complementary

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



35.8917, 0.4836, 0.3931



36.9608, 0.2129, 0.2419

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.



35.8917, 0.1864, 0.2020



35.8917, 0.4836, 0.3931



35.8917, 0.1748, 0.2950

Square

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



35.8917, 0.4836, 0.3931



35.8917, 0.2892, 0.4714



35.8917, 0.1654, 0.2307



35.8917, 0.3171, 0.2277

Rectangle

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



35.8917, 0.4836, 0.3931



35.8917, 0.3980, 0.4828



35.8917, 0.1654, 0.2307



35.8917, 0.2171, 0.1994

Sweetspot

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



35.8936, 0.4836, 0.3931



78.8656, 0.3488, 0.3492



25.5501, 0.3938, 0.2287



16.3121, 0.3548, 0.3522



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.



35.8936, 0.4836, 0.3931



36.7392, 0.5299, 0.3943



66.8494, 0.4173, 0.4678



16.0169, 0.3283, 0.3382



14.2816, 0.5723, 0.3838



1.3035, 0.5466, 0.4042

Inverse Universe

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



36.9608, 0.2129, 0.2419



37.8772, 0.1987, 0.2200



15.3653, 0.1860, 0.1316



16.0790, 0.2981, 0.3196



14.5943, 0.1878, 0.1962



1.3320, 0.1935, 0.2165

Previews

White Background



This preview shows how the Yxy color 35.8917, 0.4836, 0.3931 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 35.8917, 0.4836, 0.3931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

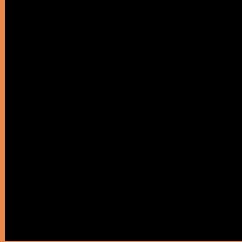
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8917, 0.4836, 0.3931

Background



This preview shows how black text looks on a background with the Yxy color 35.8917, 0.4836, 0.3931.



This preview shows how white text looks on a background with the Yxy color 35.8917, 0.4836, 0.3931.

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

35.8917, 0.4836, 0.3931

Protanopia

36.0489, 0.4008, 0.4369

Deuteranopia

35.9836, 0.4393, 0.4297



Tritanopia

36.0065, 0.4248, 0.3193

Trichromacy



Original Color

35.8917, 0.4836, 0.3931

Protanomaly

35.5038, 0.4311, 0.4206

Deuteranomaly

35.7938, 0.4560, 0.4164

Tritanomaly

36.0405, 0.4488, 0.3481

Monochromacy



Original Color

35.8917, 0.4836, 0.3931

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.1308, 0.3726, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8917, 0.4836, 0.3931 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(234, 137, 75)` looks like.

```
.text, #text, p{  
    color:rgb(234, 137, 75)  
}
```

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(234, 137, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 137, 75) }
```

Border

The CSS property to change the border of an element to Yxy 35.8917, 0.4836, 0.3931 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(234, 137, 75) }
```

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

```
.border{ border-color:rgb(234, 137, 75) }
```

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

Here you see how a box with a 4 pixel rgb(234, 137, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 137, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 137, 75);  
box-shadow:4px 4px 4px 4px rgb(234, 137,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8917, 0.4836, 0.3931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 137, 75) }
```

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

```
.background{ background-color: rgb(234,  
137, 75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor