

Converting Colors

$Y_{xy}(34.1815, 0.4816, 0.3896)$

Have a look what the booklet for
Yxy(34.1815, 0.4816, 0.3896)
contains.

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Color

Yxy(34.4090, 0.4811, 0.3896)

Conversions

Conversions Part 1

Format	Color
Hex	E6864D
RGB	230, 134, 77
RGB Percent	90%, 53%, 30%
CMY	0.0982, 0.4744, 0.6981
CMYK	0.00, 0.42, 0.67, 0.10
HSL	22°, 75%, 60%
HSV	22°, 67%, 90%
XYZ	42.4902, 34.4090, 11.4196
YIQ	156.2060, 75.5130, 2.6250

Conversions

Conversions Part 2

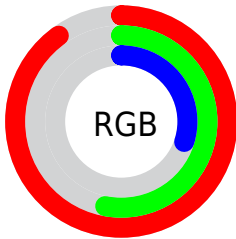
Format	Color
R_{YB}	230, 168, 77
Decimal	15107661
CIE _{Lab}	65.29, 31.94, 45.83
CIE _{LCh}	65, 55.864, 55.124
Yxy	34.4090, 0.4811, 0.3896
Android (android.graphics.Color)	4293297741 (0xFFE6864D)
YUV	156.2060, -39.0486, 64.7173
Hunter-Lab	58.6592, 26.6441, 29.5190

Details

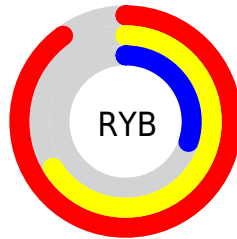
The Yxy color **34.4090, 0.4811, 0.3896** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **37.1474, 0.2155, 0.2481**, and the grayscale version is **33.4963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7850, 0.4198, 0.3910**, and **14.7054, 0.5276, 0.3946** is the 20% darker color. If you saturate the color by 10%, you get **30.4219, 0.5147, 0.3919**, and if you desaturate by 10%, it is **39.0582, 0.4476, 0.3836**.

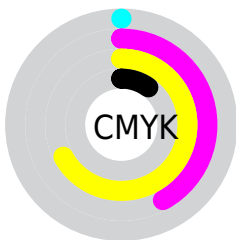
Distribution



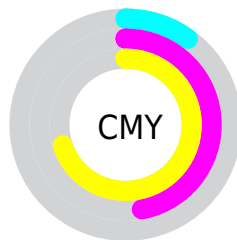
- Red (90%)
- Green (53%)
- Blue (30%)



- Red (90%)
- Yellow (66%)
- Blue (30%)



- Cyan (0%)
- Magenta (42%)
- Yellow (67%)
- Black (10%)





- Cyan (10%)
- Magenta (47%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4090, 0.4811, 0.3896 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 34.4090, 0.4811, 0.3896 by changing the saturation by 10% instead.


 34.4090, 0.4811,
0.3896


 34.4090, 0.4811,
0.3896


321.9519, 0.3945,
0.3655


 23.2080, 0.5020,
0.3926


 66.5692, 0.4498,
0.3829


 14.7472, 0.5278,
0.3943


 88.2972, 0.4379,
0.3797

 8.6421, 0.5595,
0.3927


 114.3029, 0.4279,
0.3768

 4.5085, 0.6093,
0.3907

 144.9708, 0.4193,
0.3741

 1.9619, 0.6427,
0.3573

 180.6853, 0.4118,
0.3717

 0.5852, 0.7109,
0.2891

221.8307, 0.4053,

 0.0000, 1.0000,

0.3694

0.0000

268.7914, 0.3996,
0.3674

■ 0.0000, 0.0000,
0.0000

■ 34.4090, 0.4811,
0.3896

■ 34.4090, 0.4811,
0.3896

■ 30.4219, 0.5147,
0.3919

■ 39.0582, 0.4476,
0.3836

■ 27.0569, 0.5458,
0.3892

■ 44.3957, 0.4162,
0.3751


■ 24.2765, 0.5716,
0.3813

■ 50.4523, 0.3879,
0.3652


■ 23.4333, 0.5796,
0.3780


■ 57.2554, 0.3631,
0.3549

■ 64.8308, 0.3416,
0.3448

 73.2027, 0.3232,
0.3350

 82.3946, 0.3076,
0.3259

 92.0390, 0.2975,
0.3234

 95.5580, 0.2975,
0.3290

Harmonies

Analogous

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



34.4090, 0.4672, 0.3280



34.4090, 0.4811, 0.3896



34.4090, 0.4441, 0.4488

Triad

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



34.4090, 0.4811, 0.3896



34.4090, 0.2220, 0.3925



34.4090, 0.2360, 0.2040

Complementary

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



34.4090, 0.4811, 0.3896



37.1474, 0.2155, 0.2481

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.



34.4090, 0.1869, 0.2048



34.4090, 0.4811, 0.3896



34.4090, 0.1785, 0.2998

Square

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



34.4090, 0.4811, 0.3896



34.4090, 0.2937, 0.4705



34.4090, 0.1676, 0.2349



34.4090, 0.3130, 0.2278

Rectangle

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



34.4090, 0.4811, 0.3896



34.4090, 0.4003, 0.4784



34.4090, 0.1676, 0.2349



34.4090, 0.2163, 0.2014

Sweetspot

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



34.4108, 0.4811, 0.3896



78.4036, 0.3489, 0.3484



25.1743, 0.3877, 0.2275



16.2023, 0.3550, 0.3513



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.



34.4108, 0.4811, 0.3896



36.6943, 0.5274, 0.3915



63.2354, 0.4173, 0.4637



15.2439, 0.3283, 0.3378



13.4860, 0.5768, 0.3802



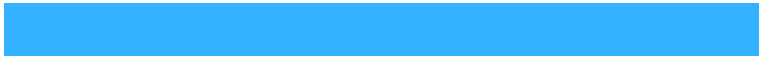
1.1701, 0.5493, 0.4021

Inverse Universe

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



37.1474, 0.2155, 0.2481



40.1383, 0.2017, 0.2279



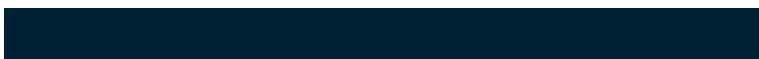
15.9083, 0.1894, 0.1391



15.3858, 0.2981, 0.3200



14.8104, 0.1896, 0.2023



1.2712, 0.1953, 0.2229

Previews

White Background



This preview shows how the Yxy color 34.4090, 0.4811, 0.3896 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 34.4090, 0.4811, 0.3896 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 34.4090, 0.4811, 0.3896

Background



This preview shows how black text looks on a background with the Yxy color 34.4090, 0.4811, 0.3896.



This preview shows how white text looks on a background with the Yxy color 34.4090, 0.4811, 0.3896.

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

34.4090, 0.4811, 0.3896

Protanopia

34.5661, 0.3971, 0.4327

Deuteranopia

34.4846, 0.4364, 0.4264



Tritanopia

34.4487, 0.4259, 0.3192

Trichromacy



Original Color

34.4090, 0.4811, 0.3896

Protanomaly

34.0240, 0.4278, 0.4166

Deuteranomaly

34.3005, 0.4533, 0.4129

Tritanomaly

34.5267, 0.4480, 0.3462

Monochromacy



Original Color

34.4090, 0.4811, 0.3896

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.7794, 0.3717, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4090, 0.4811, 0.3896 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, 134, 77)` looks like.

```
.text, #text, p{  
    color:rgb(230, 134, 77)  
}
```

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, 134, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 134, 77) }
```

Border

The CSS property to change the border of an element to Yxy 34.4090, 0.4811, 0.3896 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, 134, 77) }
```

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

```
.border{ border-color:rgb(230, 134, 77) }
```

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

Here you see how a box with a 4 pixel rgb(230, 134, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 134, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 134, 77);  
box-shadow:4px 4px 4px 4px rgb(230, 134,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4090, 0.4811, 0.3896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 134, 77) }
```

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

```
.background{ background-color: rgb(230,  
134, 77) }
```

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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