

Converting Colors

$Y_{xy}(35.1985, 0.4774, 0.3811)$

Have a look what the booklet for
Yxy(35.1985, 0.4774, 0.3811)
contains.

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Color

Yxy(35.1985, 0.4774, 0.3811)

Conversions

Conversions Part 1

Format	Color
Hex	EA8655
RGB	234, 134, 85
RGB Percent	92%, 53%, 33%
CMY	0.0824, 0.4744, 0.6666
CMYK	0.00, 0.43, 0.64, 0.08
HSL	20°, 78%, 63%
HSV	20°, 64%, 92%
XYZ	44.0928, 35.1985, 13.0690
YIQ	158.3140, 75.3290, 5.9610

Conversions

Conversions Part 2

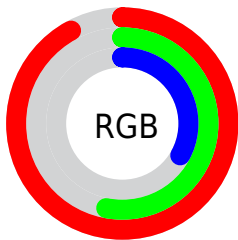
Format	Color
RYB	234, 158, 85
Decimal	15369813
CIELab	65.90, 34.03, 42.56
CIElCh	66, 54.490, 51.351
Yxy	35.1985, 0.4774, 0.3811
Android (android.graphics.Color)	4293559893 (0xFFEA8655)
YUV	158.3140, -36.1438, 66.3766
Hunter-Lab	59.3283, 28.8366, 28.4693

Details

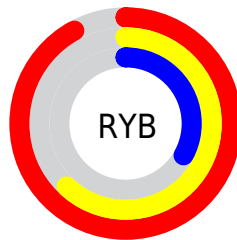
The Yxy color **35.1985, 0.4774, 0.3811** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **42.5649, 0.2210, 0.2617**, and the grayscale version is **34.4864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0040, 0.4134, 0.3832**, and **15.2043, 0.5236, 0.3853** is the 20% darker color. If you saturate the color by 10%, you get **30.8640, 0.5134, 0.3836**, and if you desaturate by 10%, it is **40.3041, 0.4424, 0.3753**.

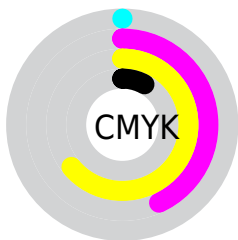
Distribution



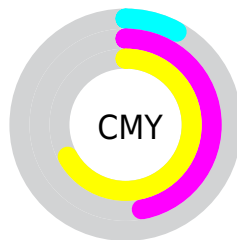
- Red (92%)
- Green (53%)
- Blue (33%)



- Red (92%)
- Yellow (62%)
- Blue (33%)



- Cyan (0%)
- Magenta (43%)
- Yellow (64%)
- Black (8%)





- Cyan (8%)
- Magenta (47%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1985, 0.4774, 0.3811 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 35.1985, 0.4774, 0.3811 by changing the saturation by 10% instead.


 35.1985, 0.4774,
0.3811


 35.1985, 0.4774,
0.3811


325.4436, 0.3924,
0.3608

 23.8158, 0.4982,
0.3835


 67.7932, 0.4465,
0.3756

 15.1971, 0.5242,
0.3847


 89.7739, 0.4349,
0.3729


 8.9578, 0.5568,
0.3831


 116.0562, 0.4250,
0.3704

 4.7137, 0.6074,
0.3807

 147.0243, 0.4166,
0.3681

 2.0803, 0.6485,
0.3515

 183.0628, 0.4093,
0.3660

 0.6535, 0.7114,
0.2886

224.5559, 0.4029,

 0.0000, 1.0000,

0.3641

0.0000

271.8880, 0.3973,
0.3624

■ 0.0000, 0.0000,
0.0000

■ 35.1985, 0.4774,
0.3811

■ 35.1985, 0.4774,
0.3811

■ 30.8640, 0.5134,
0.3836

■ 40.3041, 0.4424,
0.3753

■ 27.2542, 0.5475,
0.3817

■ 46.2128, 0.4103,
0.3674

■ 24.3250, 0.5764,
0.3748

■ 52.9613, 0.3818,
0.3585

■ 22.7911, 0.5915,
0.3686

■ 60.5820, 0.3573,
0.3494

■ 69.1059, 0.3363,
0.3404

■ 78.5620, 0.3185,
0.3320

■ 88.9782, 0.3035,
0.3241

■ 96.2293, 0.2999,
0.3290

Harmonies

Analogous

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



35.1985, 0.4568, 0.3212



35.1985, 0.4774, 0.3811



35.1985, 0.4474, 0.4394

Triad

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



35.1985, 0.4774, 0.3811



35.1985, 0.2324, 0.4019



35.1985, 0.2307, 0.2060

Complementary

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



35.1985, 0.4774, 0.3811



42.5649, 0.2210, 0.2617

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.



35.1985, 0.1862, 0.2102



35.1985, 0.4774, 0.3811



35.1985, 0.1858, 0.3113

Square

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



35.1985, 0.4774, 0.3811



35.1985, 0.3046, 0.4711



35.1985, 0.1710, 0.2438



35.1985, 0.3027, 0.2263

Rectangle

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



35.1985, 0.4774, 0.3811



35.1985, 0.4072, 0.4699



35.1985, 0.1710, 0.2438



35.1985, 0.2126, 0.2045

Sweetspot

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



35.2003, 0.4774, 0.3811



78.2438, 0.3472, 0.3452



27.5698, 0.3735, 0.2232



16.1229, 0.3534, 0.3478



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.



35.2003, 0.4774, 0.3811



36.2516, 0.5229, 0.3836



62.6126, 0.4187, 0.4535



15.8632, 0.3285, 0.3368



13.0144, 0.5886, 0.3708



1.1920, 0.5617, 0.3922

Inverse Universe

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



42.5649, 0.2210, 0.2617



45.5928, 0.2083, 0.2456



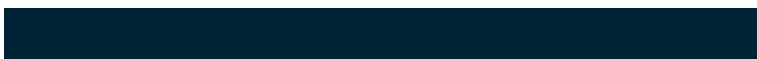
19.5337, 0.1966, 0.1572



16.2384, 0.2981, 0.3211



17.1353, 0.1939, 0.2179



1.5201, 0.1987, 0.2351

Previews

White Background



This preview shows how the Yxy color 35.1985, 0.4774, 0.3811 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 35.1985, 0.4774, 0.3811 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 35.1985, 0.4774, 0.3811

Background



This preview shows how black text looks on a background with the Yxy color 35.1985, 0.4774, 0.3811.



This preview shows how white text looks on a background with the Yxy color 35.1985, 0.4774, 0.3811.

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

35.1985, 0.4774, 0.3811

Protanopia

35.5280, 0.3893, 0.4233

Deuteranopia

35.2469, 0.4282, 0.4204



Tritanopia

35.2490, 0.4272, 0.3193

Trichromacy



Original Color

35.1985, 0.4774, 0.3811

Protanomaly

34.7589, 0.4211, 0.4068

Deuteranomaly

34.8686, 0.4466, 0.4057

Tritanomaly

35.1061, 0.4475, 0.3427

Monochromacy



Original Color

35.1985, 0.4774, 0.3811

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.5727, 0.3703, 0.3543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1985, 0.4774, 0.3811 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, 134, 85)` looks like.

```
.text, #text, p{  
    color:rgb(234, 134, 85)  
}
```

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, 134, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 134, 85) }
```

Border

The CSS property to change the border of an element to Yxy 35.1985, 0.4774, 0.3811 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, 134, 85) }
```

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

```
.border{ border-color:rgb(234, 134, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 134, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 134, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 134, 85);  
box-shadow:4px 4px 4px 4px rgb(234, 134,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1985, 0.4774, 0.3811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 134, 85) }
```

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

```
.background{ background-color: rgb(234,  
134, 85) }
```

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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