

# Converting Colors

Yxy(35.4698, 0.4815, 0.3809)

Have a look what the booklet for  
Yxy(35.4698, 0.4815, 0.3809)  
contains.

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**Color**

**Yxy(35.4197, 0.4820, 0.3801)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ED8554
RGB	237, 133, 84
RGB Percent	93%, 52%, 33%
CMY	0.0705, 0.4784, 0.6707
CMYK	0.00, 0.44, 0.65, 0.07
HSL	19°, 81%, 63%
HSV	19°, 65%, 93%
XYZ	44.9153, 35.4197, 12.8502
YIQ	158.5100, 77.7130, 6.8090

# Conversions

## Conversions Part 2

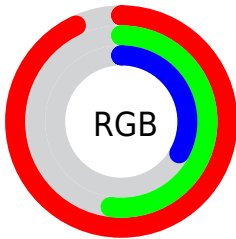
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">237, 156, 84</a>
Decimal	<a href="#">15566164</a>
CIELab	<a href="#">66.07, 35.69, 43.40</a>
CIElCh	<a href="#">66, 56.191, 50.574</a>
Yxy	<a href="#">35.4197, 0.4820, 0.3801</a>
Android (android.graphics.Color)	<a href="#">4293756244 (0xFFED8554)</a>
YUV	<a href="#">158.5100, -36.7334, 68.8357</a>
Hunter-Lab	<a href="#">59.5145, 30.5628, 28.8583</a>

# Details

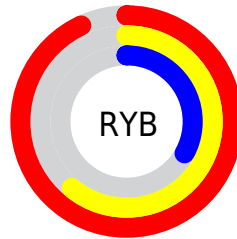
The Yxy color **35.4197, 0.4820, 0.3801** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **43.9575, 0.2204, 0.2624**, and the grayscale version is **34.5795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5499, 0.4148, 0.3831**, and **15.3921, 0.5290, 0.3833** is the 20% darker color. If you saturate the color by 10%, you get **31.0334, 0.5184, 0.3821**, and if you desaturate by 10%, it is **40.6117, 0.4464, 0.3747**.

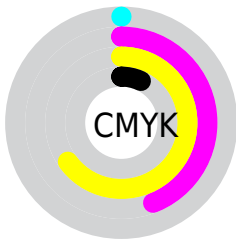
# Distribution



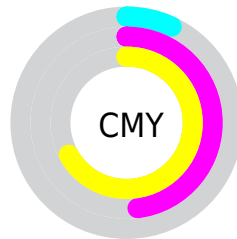
- Red (93%)
- Green (52%)
- Blue (33%)



- Red (93%)
- Yellow (61%)
- Blue (33%)



- Cyan (0%)
- Magenta (44%)
- Yellow (65%)
- Black (7%)




- Cyan (7%)
- Magenta (48%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.4197, 0.4820, 0.3801 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 35.4197, 0.4820, 0.3801 by changing the saturation by 10% instead.





 35.4197, 0.4820,  
0.3801


 35.4197, 0.4820,  
0.3801


326.4170, 0.3948,  
0.3608


 23.9864, 0.5033,  
0.3821


 68.1354, 0.4504,  
0.3750

 15.3235, 0.5297,  
0.3828


 90.1866, 0.4384,  
0.3725


 9.0467, 0.5627,  
0.3803


 116.5459, 0.4283,  
0.3701

 4.7717, 0.6143,  
0.3771

 147.5976, 0.4197,  
0.3679

 2.1139, 0.6543,  
0.3457

 183.7262, 0.4122,  
0.3659

 0.6724, 0.7169,  
0.2831

225.3160, 0.4056,

 0.0000, 1.0000,

0.3640

0.0000

272.7515, 0.3999,  
0.3623

0.0000, 0.0000,  
0.0000

35.4197, 0.4820,  
0.3801

35.4197, 0.4820,  
0.3801

31.0334, 0.5184,  
0.3821

40.6117, 0.4464,  
0.3747

27.4032, 0.5525,  
0.3796

46.6440, 0.4137,  
0.3672


24.4816, 0.5810,  
0.3721

53.5557, 0.3846,  
0.3586

23.1664, 0.5938,  
0.3667

61.3816, 0.3595,  
0.3497

70.1546, 0.3381,  
0.3409

 79.9059, 0.3200,  
0.3326

 90.6651, 0.3048,  
0.3249

 96.7468, 0.3017,  
0.3290

# Harmonies

## Analogous

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



35.4197, 0.4596, 0.3190



35.4197, 0.4820, 0.3801



35.4197, 0.4519, 0.4402

# Triad

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



35.4197, 0.4820, 0.3801



35.4197, 0.2317, 0.4065



35.4197, 0.2269, 0.2029

# Complementary

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



35.4197, 0.4820, 0.3801



43.9575, 0.2204, 0.2624

# 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.



35.4197, 0.1825, 0.2078



35.4197, 0.4820, 0.3801



35.4197, 0.1834, 0.3127

# Square

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



35.4197, 0.4820, 0.3801



35.4197, 0.3060, 0.4768



35.4197, 0.1677, 0.2427



35.4197, 0.3000, 0.2231



# Rectangle

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



35.4197, 0.4820, 0.3801



35.4197, 0.4109, 0.4725



35.4197, 0.1677, 0.2427



35.4197, 0.2088, 0.2015

# Sweetspot

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



35.4216, 0.4820, 0.3801



78.0238, 0.3473, 0.3448



27.9973, 0.3748, 0.2221



16.0703, 0.3535, 0.3473



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.



35.4216, 0.4820, 0.3801



35.3822, 0.5281, 0.3819



64.2254, 0.4201, 0.4549



15.8418, 0.3285, 0.3366



12.8563, 0.5908, 0.3691



1.1776, 0.5638, 0.3905



# Inverse Universe

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



43.9575, 0.2204, 0.2624



45.8801, 0.2081, 0.2467



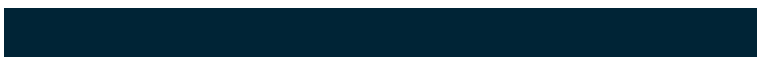
19.5930, 0.1949, 0.1543



16.2609, 0.2981, 0.3213



17.5157, 0.1947, 0.2210



1.5479, 0.1994, 0.2377



# Previews

## White Background



This preview shows how the Yxy color 35.4197, 0.4820, 0.3801 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

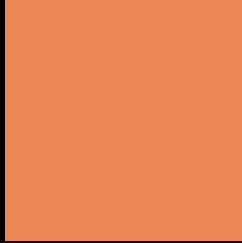
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.4197, 0.4820, 0.3801 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

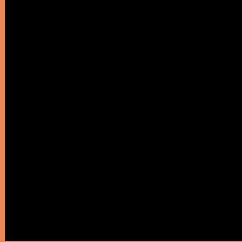
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.4197, 0.4820, 0.3801**

## Background



This preview shows how black text looks on a background with the Yxy color 35.4197, 0.4820, 0.3801.



This preview shows how white text looks on a background with the Yxy color 35.4197, 0.4820, 0.3801.

# 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

35.4197, 0.4820, 0.3801

### Protanopia

35.5280, 0.3893, 0.4233

### Deuteranopia

35.3674, 0.4301, 0.4210



## Tritanopia

35.4816, 0.4319, 0.3195

# Trichromacy



**Original Color**

35.4197, 0.4820, 0.3801

**Protanomaly**

34.8772, 0.4230, 0.4076

**Deuteranomaly**

35.1489, 0.4495, 0.4060

**Tritanomaly**

35.3356, 0.4522, 0.3425

# Monochromacy



**Original Color**

35.4197, 0.4820, 0.3801

**Achromatopsia**

34.6704, 0.3127, 0.3290

**Achromatomaly**

34.0434, 0.3699, 0.3541

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.4197, 0.4820, 0.3801 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(237, 133, 84)` looks like.

```
.text, #text, p{  
    color:rgb(237, 133, 84)  
}
```

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(237, 133, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 133, 84) }
```

## Border

The CSS property to change the border of an element to Yxy 35.4197, 0.4820, 0.3801 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(237, 133, 84) }
```

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

```
.border{ border-color:rgb(237, 133, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 133, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 133, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 133, 84);  
box-shadow:4px 4px 4px 4px rgb(237, 133,  
84) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.4197, 0.4820, 0.3801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 133, 84) }
```

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

```
.background{ background-color: rgb(237,  
133, 84) }
```

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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