

# Converting Colors

$Y_{xy}(35.5831, 0.4627, 0.3765)$

Have a look what the booklet for  
Yxy(35.5831, 0.4627, 0.3765)  
contains.

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# Color

**Yxy(35.5225, 0.4625, 0.3768)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6895E
RGB	230, 137, 94
RGB Percent	90%, 54%, 37%
CMY	0.0980, 0.4627, 0.6313
CMYK	0.00, 0.40, 0.59, 0.10
HSL	19°, 73%, 64%
HSV	19°, 59%, 90%
XYZ	43.6018, 35.5225, 15.1499
YIQ	159.9050, 69.2310, 6.3430

# Conversions

## Conversions Part 2

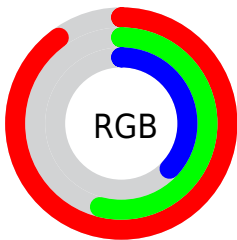
Format	Color
R <sub>Y</sub> B	230, 157, 94
Decimal	15108446
CIE Lab	66.15, 31.51, 38.01
CIE LCh	66, 49.370, 50.340
Yxy	35.5225, 0.4625, 0.3768
Android (android.graphics.Color)	4293298526 (0xFFE6895E)
YUV	159.9050, -32.4912, 61.4733
Hunter-Lab	59.6008, 26.2829, 26.6497

# Details

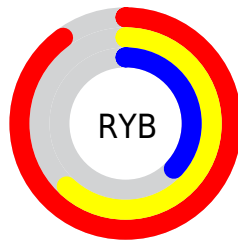
The Yxy color **35.5225, 0.4625, 0.3768** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **43.6420, 0.2268, 0.2699**, and the grayscale version is **35.2377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5659, 0.4046, 0.3771**, and **15.3989, 0.5064, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **31.0202, 0.4989, 0.3807**, and if you desaturate by 10%, it is **40.8035, 0.4282, 0.3702**.

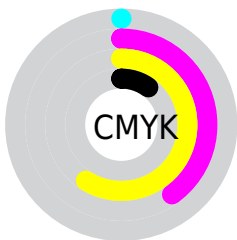
# Distribution



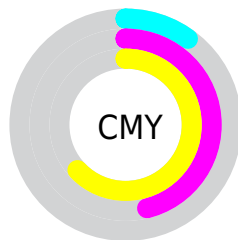
- Red (90%)
- Green (54%)
- Blue (37%)



- Red (90%)
- Yellow (62%)
- Blue (37%)



- Cyan (0%)
- Magenta (40%)
- Yellow (59%)
- Black (10%)




- Cyan (10%)
- Magenta (46%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.5225, 0.4625, 0.3768 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 35.5225, 0.4625, 0.3768 by changing the saturation by 10% instead.




 35.5225, 0.4625,  
0.3768


 35.5225, 0.4625,  
0.3768


326.8686, 0.3848,  
0.3573

 24.0656, 0.4820,  
0.3796


 68.2944, 0.4340,  
0.3711

 15.3823, 0.5065,  
0.3818


 90.3783, 0.4233,  
0.3685

 9.0881, 0.5381,  
0.3819

 116.7732, 0.4143,  
0.3662

 4.7987, 0.5819,  
0.3789

 147.8637, 0.4067,  
0.3641

 2.1297, 0.6373,  
0.3627

184.0341, 0.4001,  
0.3621

 0.6812, 0.6957,  
0.3043

225.6688, 0.3943,

 0.0000, 1.0000,

0.3604

0.0000

273.1522, 0.3892,  
0.3588

0.0000, 0.0000,  
0.0000

35.5225, 0.4625,  
0.3768

35.5225, 0.4625,  
0.3768

31.0202, 0.4989,  
0.3807

40.8035, 0.4282,  
0.3702

27.2516, 0.5348,  
0.3808

46.8939, 0.3973,  
0.3621

24.1752, 0.5670,  
0.3760


53.8295, 0.3704,  
0.3534

21.7373, 0.5925,  
0.3669

61.6420, 0.3474,  
0.3446

21.5515, 0.5946,  
0.3661

70.3615, 0.3279,  
0.3362

 80.0167, 0.3114,  
0.3283

 90.6337, 0.2975,  
0.3211

 95.5645, 0.2976,  
0.3290

# Harmonies

## Analogous

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



35.5225, 0.4414, 0.3212



35.5225, 0.4625, 0.3768



35.5225, 0.4379, 0.4298

# Triad

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



35.5225, 0.4625, 0.3768



35.5225, 0.2422, 0.3970



35.5225, 0.2362, 0.2156

# Complementary

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



35.5225, 0.4625, 0.3768



43.6420, 0.2268, 0.2699

# 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.



35.5225, 0.1956, 0.2209



35.5225, 0.4625, 0.3768



35.5225, 0.1976, 0.3166

# Square

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



35.5225, 0.4625, 0.3768



35.5225, 0.3090, 0.4571



35.5225, 0.1824, 0.2538



35.5225, 0.3016, 0.2337



# Rectangle

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



35.5225, 0.4625, 0.3768



35.5225, 0.4023, 0.4567



35.5225, 0.1824, 0.2538



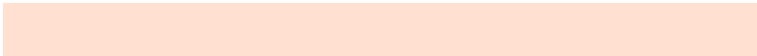
35.5225, 0.2196, 0.2146

# Sweetspot

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



35.5243, 0.4625, 0.3768



78.9701, 0.3452, 0.3438



28.5147, 0.3647, 0.2268



16.2521, 0.3515, 0.3463



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.



35.5243, 0.4625, 0.3768



38.0354, 0.5072, 0.3811



60.2547, 0.4131, 0.4447



15.1078, 0.3285, 0.3365



12.3941, 0.5917, 0.3684



1.0780, 0.5631, 0.3911



# Inverse Universe

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



43.6420, 0.2268, 0.2699



48.9558, 0.2138, 0.2552



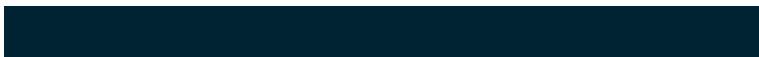
21.8194, 0.2056, 0.1741



15.5276, 0.2981, 0.3214



17.1716, 0.1952, 0.2226

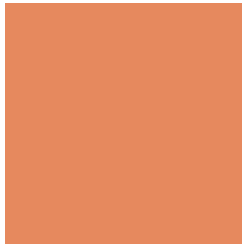


1.4339, 0.2000, 0.2400



# Previews

## White Background



This preview shows how the Yxy color 35.5225, 0.4625, 0.3768 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 35.5225, 0.4625, 0.3768 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 35.5225, 0.4625, 0.3768**

## Background



This preview shows how black text looks on a background with the Yxy color 35.5225, 0.4625, 0.3768.



This preview shows how white text looks on a background with the Yxy color 35.5225, 0.4625, 0.3768.

# 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

35.5225, 0.4625, 0.3768

### Protanopia

35.5830, 0.3804, 0.4117

### Deuteranopia

35.7369, 0.4188, 0.4104



## Tritanopia

35.4793, 0.4169, 0.3179

# Trichromacy



## Original Color

35.5225, 0.4625, 0.3768

## Protanomaly

34.9787, 0.4098, 0.3978

## Deuteranomaly

35.5078, 0.4349, 0.3978

## Tritanomaly

35.3861, 0.4348, 0.3396

# Monochromacy



## Original Color

35.5225, 0.4625, 0.3768

## Achromatopsia

35.1533, 0.3127, 0.3290

## Achromatomaly

34.5483, 0.3629, 0.3514

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.5225, 0.4625, 0.3768 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, 137, 94)` looks like.

```
.text, #text, p{  
    color:rgb(230, 137, 94)  
}
```

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, 137, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 137, 94) }
```

## Border

The CSS property to change the border of an element to Yxy 35.5225, 0.4625, 0.3768 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, 137, 94) }
```

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

```
.border{ border-color:rgb(230, 137, 94) }
```

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

Here you see how a box with a 4 pixel rgb(230, 137, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 137, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 137, 94);  
box-shadow:4px 4px 4px 4px rgb(230, 137,  
94) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.5225, 0.4625, 0.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 137, 94) }
```

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

```
.background{ background-color: rgb(230,  
137, 94) }
```

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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