

# Converting Colors

$Y_{xy}(34.9761, 0.4577, 0.3704)$

Have a look what the booklet for  
Yxy(34.9761, 0.4577, 0.3704)  
contains.

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# Color

**Yxy(34.8868, 0.4581, 0.3697)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E58763
RGB	229, 135, 99
RGB Percent	90%, 53%, 39%
CMY	0.1019, 0.4706, 0.6119
CMYK	0.00, 0.41, 0.57, 0.10
HSL	17°, 71%, 64%
HSV	17°, 57%, 90%
XYZ	43.2287, 34.8868, 16.2497
YIQ	159.0020, 67.5800, 8.7320

# Conversions

## Conversions Part 2

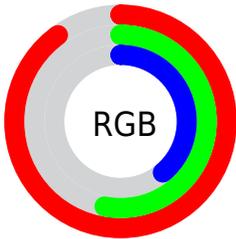
Format	Color
R <sub>Y</sub> B	229, 149, 99
Decimal	15042403
CIE Lab	65.66, 32.53, 34.71
CIE LCh	66, 47.570, 46.854
Yxy	34.8868, 0.4581, 0.3697
Android (android.graphics.Color)	4293232483 (0xFFE58763)
YUV	159.0020, -29.5810, 61.3882
Hunter-Lab	59.0650, 27.2772, 25.0340

# Details

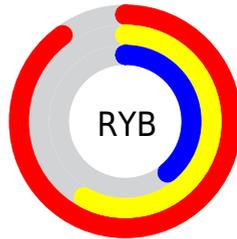
The Yxy color **34.8868, 0.4581, 0.3697** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **46.4292, 0.2312, 0.2800**, and the grayscale version is **34.7864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8572, 0.4014, 0.3700**, and **15.0147, 0.5018, 0.3743** is the 20% darker color. If you saturate the color by 10%, you get **30.2454, 0.4959, 0.3735**, and if you desaturate by 10%, it is **40.3741, 0.4231, 0.3636**.

# Distribution



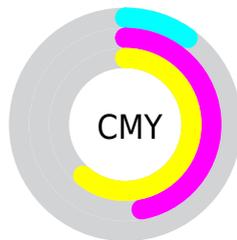
- Red (90%)
- Green (53%)
- Blue (39%)



- Red (90%)
- Yellow (58%)
- Blue (39%)



- Cyan (0%)
- Magenta (41%)
- Yellow (57%)
- Black (10%)



- Cyan (10%)
- Magenta (47%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.8868, 0.4581, 0.3697 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 34.8868, 0.4581, 0.3697 by changing the saturation by 10% instead.

 34.8868, 0.4581,  
0.3697

 34.8868, 0.4581,  
0.3697

324.0684, 0.3821,  
0.3533

 23.5757, 0.4774,  
0.3720

 67.3104, 0.4300,  
0.3650

 15.0192, 0.5021,  
0.3736

 89.1916, 0.4196,  
0.3628

 8.8328, 0.5342,  
0.3734

 115.3650, 0.4108,  
0.3608

 4.6323, 0.5779,  
0.3690

 146.2150, 0.4034,  
0.3590

 2.0332, 0.6435,  
0.3565

182.1259, 0.3969,  
0.3574

 0.6266, 0.7077,  
0.2923

223.4822, 0.3913,

 0.0000, 1.0000,

0.3559

0.0000

270.6682, 0.3864,  
0.3545

0.0000, 0.0000,  
0.0000

34.8868, 0.4581,  
0.3697

34.8868, 0.4581,  
0.3697

30.2454, 0.4959,  
0.3735

40.3741, 0.4231,  
0.3636

26.4005, 0.5340,  
0.3740

46.7424, 0.3921,  
0.3563

23.3057, 0.5688,  
0.3700

54.0312, 0.3654,  
0.3486

20.9059, 0.5963,  
0.3617

62.2759, 0.3428,  
0.3410

20.2666, 0.6039,  
0.3587

71.5102, 0.3238,  
0.3337

 81.7659, 0.3079,  
0.3269

 92.7957, 0.2969,  
0.3248

 95.3987, 0.2970,  
0.3290

# Harmonies

## Analogous

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



34.8868, 0.4321, 0.3156



34.8868, 0.4581, 0.3697



34.8868, 0.4392, 0.4220

# Triad

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



34.8868, 0.4581, 0.3697



34.8868, 0.2511, 0.4034



34.8868, 0.2324, 0.2179

# Complementary

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



34.8868, 0.4581, 0.3697



46.4292, 0.2312, 0.2800

# 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.



34.8868, 0.1957, 0.2262



34.8868, 0.4581, 0.3697



34.8868, 0.2044, 0.3259

# Square

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



34.8868, 0.4581, 0.3697



34.8868, 0.3177, 0.4564



34.8868, 0.1860, 0.2618



34.8868, 0.2937, 0.2330

# Rectangle

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



34.8868, 0.4581, 0.3697



34.8868, 0.4069, 0.4495



34.8868, 0.1860, 0.2618



34.8868, 0.2172, 0.2178

# Sweetspot

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



34.8886, 0.4581, 0.3697



79.1277, 0.3434, 0.3412



29.4846, 0.3567, 0.2259



16.4617, 0.3477, 0.3427



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.



34.8886, 0.4581, 0.3697



37.7391, 0.5021, 0.3739



58.2496, 0.4119, 0.4370



15.0150, 0.3286, 0.3356



11.7610, 0.6012, 0.3609



1.0216, 0.5724, 0.3837



# Inverse Universe

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



46.4292, 0.2312, 0.2800



53.5907, 0.2189, 0.2679



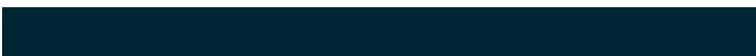
24.0886, 0.2113, 0.1873



15.6254, 0.2981, 0.3223



18.9410, 0.1990, 0.2365

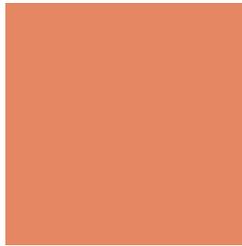


1.5537, 0.2032, 0.2516



# Previews

## White Background



This preview shows how the Yxy color 34.8868, 0.4581, 0.3697 looks on a white background.

## Color Contrast Check

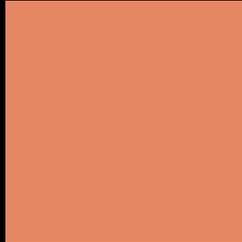
Large Text (above 18pt) WCAG AA × Fail

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 34.8868, 0.4581, 0.3697 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

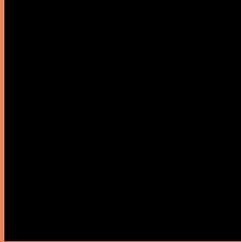
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.8868, 0.4581, 0.3697**

## Background



This preview shows how black text looks on a background with the Yxy color 34.8868, 0.4581, 0.3697.



This preview shows how white text looks on a background with the Yxy color 34.8868, 0.4581, 0.3697.

# 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

34.8868, 0.4581, 0.3697

### Protanopia

35.1300, 0.3733, 0.4027

### Deuteranopia

35.0780, 0.4128, 0.4055



## Tritanopia

34.9851, 0.4187, 0.3190

# Trichromacy



**Original Color**

34.8868, 0.4581, 0.3697

**Protanomaly**

34.4906, 0.4035, 0.3909

**Deuteranomaly**

34.6677, 0.4306, 0.3916

**Tritanomaly**

34.9467, 0.4344, 0.3385

# Monochromacy



**Original Color**

34.8868, 0.4581, 0.3697

**Achromatopsia**

34.6704, 0.3127, 0.3290

**Achromatomaly**

33.8092, 0.3615, 0.3473

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.8868, 0.4581, 0.3697 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(229, 135, 99)` looks like.

```
.text, #text, p{  
    color:rgb(229, 135, 99)  
}
```

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(229, 135, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 135, 99) }
```

## Border

The CSS property to change the border of an element to Yxy 34.8868, 0.4581, 0.3697 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(229, 135, 99) }
```

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

```
.border{ border-color:rgb(229, 135, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 135, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 135, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 135, 99);  
box-shadow:4px 4px 4px 4px rgb(229, 135,  
99) }
```

# Background

The CSS property to change the background color of an element to Yxy 34.8868, 0.4581, 0.3697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 135, 99) }
```

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

```
.background{ background-color: rgb(229,  
135, 99) }
```

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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