

# Converting Colors

$Y_{xy}(35.1561, 0.4958, 0.4093)$

Have a look what the booklet for  
Yxy(35.1561, 0.4958, 0.4093)  
contains.

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# Color

**Yxy(35.1561, 0.4958, 0.4093)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E78937
RGB	231, 137, 55
RGB Percent	91%, 54%, 22%
CMY	0.0942, 0.4627, 0.7844
CMYK	0.00, 0.41, 0.76, 0.09
HSL	28°, 79%, 56%
HSV	28°, 76%, 91%
XYZ	42.5859, 35.1561, 8.1513
YIQ	155.7580, 82.3460, -5.5740

# Conversions

## Conversions Part 2

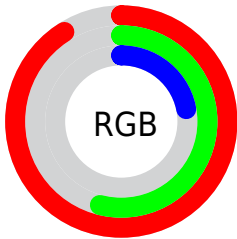
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 209, 55
Decimal	15173943
CIE Lab	65.87, 29.71, 56.86
CIE LCh	66, 64.158, 62.412
Yxy	35.1561, 0.4958, 0.4093
Android (android.graphics.Color)	4293364023 (0xFFE78937)
YUV	155.7580, -49.6737, 65.9872
Hunter-Lab	59.2926, 24.4425, 33.3539

# Details

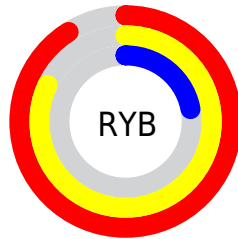
The Yxy color **35.1561, 0.4958, 0.4093** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **28.0539, 0.1989, 0.2088**, and the grayscale version is **33.3305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5831, 0.4335, 0.4131**, and **15.2016, 0.5381, 0.4109** is the 20% darker color. If you saturate the color by 10%, you get **31.6777, 0.5225, 0.4087**, and if you desaturate by 10%, it is **39.1425, 0.4668, 0.4049**.

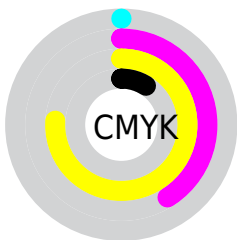
# Distribution



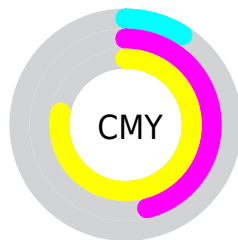
- Red (91%)
- Green (54%)
- Blue (22%)



- Red (91%)
- Yellow (82%)
- Blue (22%)



- Cyan (0%)
- Magenta (41%)
- Yellow (76%)
- Black (9%)




- Cyan (9%)
- Magenta (46%)
- Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1561, 0.4958, 0.4093 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 35.1561, 0.4958, 0.4093 by changing the saturation by 10% instead.





 35.1561, 0.4958,  
0.4093

 35.1561, 0.4958,  
0.4093


325.2568, 0.4045,  
0.3782

 23.7831, 0.5162,  
0.4126


 67.7275, 0.4639,  
0.4010

 15.1728, 0.5402,  
0.4140


 89.6948, 0.4514,  
0.3970


 8.9408, 0.5709,  
0.4131


 115.9623, 0.4407,  
0.3932

 4.7026, 0.6002,  
0.3998

 146.9144, 0.4315,  
0.3896

 2.0738, 0.6310,  
0.3690

 182.9355, 0.4234,  
0.3864

 0.6498, 0.6904,  
0.3096

 224.4100, 0.4163,

 0.0000, 1.0000,

0.3834

0.0000

271.7223, 0.4101,  
0.3807

0.0000, 0.0000,  
0.0000

35.1561, 0.4958,  
0.4093

35.1561, 0.4958,  
0.4093

31.6777, 0.5225,  
0.4087

39.1425, 0.4668,  
0.4049

28.6723, 0.5451,  
0.4025


43.6569, 0.4376,  
0.3966


27.6425, 0.5528,  
0.3992


48.7242, 0.4097,  
0.3858

54.3660, 0.3839,  
0.3735

60.6023, 0.3608,  
0.3608

 67.4518, 0.3404,  
0.3482

 74.9325, 0.3226,  
0.3361

 83.0616, 0.3071,  
0.3248

 91.3392, 0.2981,  
0.3220

# Harmonies

## Analogous

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



35.1561, 0.4979, 0.3413



35.1561, 0.4958, 0.4093



35.1561, 0.4410, 0.4748

# Triad

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



35.1561, 0.4958, 0.4093



35.1561, 0.1948, 0.3741



35.1561, 0.2444, 0.1945

# Complementary

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



35.1561, 0.4958, 0.4093



28.0539, 0.1989, 0.2088

# 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.



35.1561, 0.1828, 0.1880



35.1561, 0.4958, 0.4093



35.1561, 0.1571, 0.2724

# Square

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



35.1561, 0.4958, 0.4093



35.1561, 0.2676, 0.4769



35.1561, 0.1541, 0.2111



35.1561, 0.3367, 0.2263



# Rectangle

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



35.1561, 0.4958, 0.4093



35.1561, 0.3873, 0.5054



35.1561, 0.1541, 0.2111



35.1561, 0.2201, 0.1894

# Sweetspot

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



35.1579, 0.4958, 0.4093



78.4061, 0.3542, 0.3569



21.9752, 0.4266, 0.2346



16.1382, 0.3620, 0.3615



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.



35.1579, 0.4958, 0.4093



37.5865, 0.5350, 0.4061



69.6015, 0.4174, 0.4857



15.4700, 0.3281, 0.3400



15.7426, 0.5502, 0.4013



1.3478, 0.5262, 0.4204

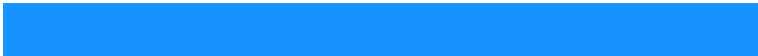


# Inverse Universe

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



28.0539, 0.1989, 0.2088



28.2162, 0.1852, 0.1814



10.2206, 0.1702, 0.0977



15.1549, 0.2981, 0.3178



11.4717, 0.1805, 0.1696



1.0333, 0.1874, 0.1947



# Previews

## White Background



This preview shows how the Yxy color 35.1561, 0.4958, 0.4093 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 35.1561, 0.4958, 0.4093 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 35.1561, 0.4958, 0.4093**

## Background



This preview shows how black text looks on a background with the Yxy color 35.1561, 0.4958, 0.4093.



This preview shows how white text looks on a background with the Yxy color 35.1561, 0.4958, 0.4093.

# 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

35.1561, 0.4958, 0.4093

### Protanopia

35.4104, 0.4171, 0.4590

### Deuteranopia

35.1043, 0.4549, 0.4449



## Tritanopia

35.1977, 0.4235, 0.3192

# Trichromacy



**Original Color**

35.1561, 0.4958, 0.4093

**Protanomaly**

34.7780, 0.4465, 0.4398

**Deuteranomaly**

35.1124, 0.4698, 0.4317

**Tritanomaly**

35.0777, 0.4555, 0.3559

# Monochromacy



**Original Color**

35.1561, 0.4958, 0.4093

**Achromatopsia**

33.2452, 0.3127, 0.3290

**Achromatomaly**

32.8941, 0.3796, 0.3716

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.1561, 0.4958, 0.4093 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(231, 137, 55)` looks like.

```
.text, #text, p{  
    color:rgb(231, 137, 55)  
}
```

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(231, 137, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 137, 55) }
```

## Border

The CSS property to change the border of an element to Yxy 35.1561, 0.4958, 0.4093 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(231, 137, 55) }
```

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

```
.border{ border-color:rgb(231, 137, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 137, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 137, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 137, 55);  
box-shadow:4px 4px 4px 4px rgb(231, 137,  
55) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.1561, 0.4958, 0.4093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 137, 55) }
```

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

```
.background{ background-color: rgb(231,  
137, 55) }
```

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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