

# Converting Colors

$Y_{xy}(35.0910, 0.5080, 0.3906)$

Have a look what the booklet for  
Yxy(35.0910, 0.5080, 0.3906)  
contains.

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# **Color**

**Yxy(35.1141, 0.5085, 0.3906)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3813F
RGB	243, 129, 63
RGB Percent	95%, 51%, 25%
CMY	0.0470, 0.4941, 0.7529
CMYK	0.00, 0.47, 0.74, 0.05
HSL	22°, 88%, 60%
HSV	22°, 74%, 95%
XYZ	45.7131, 35.1141, 9.0707
YIQ	155.5620, 89.1300, 3.6420

# Conversions

## Conversions Part 2

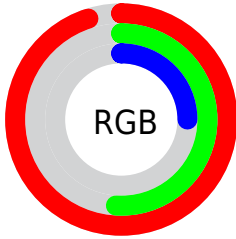
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 167, 63
Decimal	15958335
CIE <sub>Lab</sub>	65.84, 39.00, 53.75
CIE <sub>LCh</sub>	66, 66.407, 54.038
Yxy	35.1141, 0.5085, 0.3906
Android (android.graphics.Color)	4294148415 (0xFFFF3813F)
YUV	155.5620, -45.6331, 76.6831
Hunter-Lab	59.2572, 34.0012, 32.4043

# Details

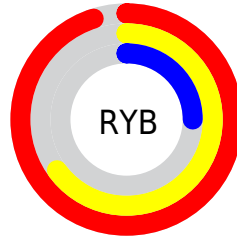
The Yxy color **35.1141, 0.5085, 0.3906** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle washed orange. A complement of this color would be **38.9786, 0.2077, 0.2384**, and the grayscale version is **33.2184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3419, 0.4337, 0.3992**, and **15.1490, 0.5591, 0.3893** is the 20% darker color. If you saturate the color by 10%, you get **31.1476, 0.5408, 0.3890**, and if you desaturate by 10%, it is **39.8150, 0.4743, 0.3875**.

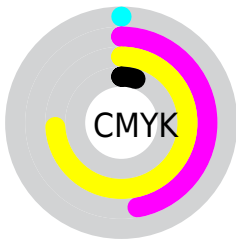
# Distribution



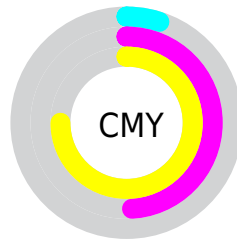
- Red (95%)
- Green (51%)
- Blue (25%)



- Red (95%)
- Yellow (65%)
- Blue (25%)



- Cyan (0%)
- Magenta (47%)
- Yellow (74%)
- Black (5%)




- Cyan (5%)
- Magenta (49%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1141, 0.5085, 0.3906 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 35.1141, 0.5085, 0.3906 by changing the saturation by 10% instead.




 35.1141, 0.5085,  
0.3906


 35.1141, 0.5085,  
0.3906


325.0717, 0.4097,  
0.3696


 23.7508, 0.5312,  
0.3915


 67.6625, 0.4736,  
0.3860

 15.1489, 0.5583,  
0.3900


 89.6163, 0.4601,  
0.3833


 8.9239, 0.5916,  
0.3842


 115.8692, 0.4486,  
0.3807

 4.6916, 0.6310,  
0.3690

 146.8054, 0.4386,  
0.3781

 2.0675, 0.6681,  
0.3319

 182.8093, 0.4299,  
0.3758

 0.6462, 0.7352,  
0.2648

224.2654, 0.4224,

 0.0000, 1.0000,

0.3735

0.0000

271.5581, 0.4157,  
0.3715

■ 0.0000, 0.0000,  
0.0000

■ 35.1141, 0.5085,  
0.3906

■ 35.1141, 0.5085,  
0.3906

■ 31.1476, 0.5408,  
0.3890

■ 39.8150, 0.4743,  
0.3875

■ 27.8655, 0.5682,  
0.3821

■ 45.2840, 0.4408,  
0.3809

■ 26.2178, 0.5818,  
0.3762

■ 51.5593, 0.4097,  
0.3722


■ 58.6744, 0.3820,  
0.3623

■ 66.6608, 0.3578,  
0.3521

 75.5480, 0.3369,  
0.3421

 85.3644, 0.3192,  
0.3327

 95.9806, 0.3054,  
0.3262

 97.7970, 0.3054,  
0.3290

# Harmonies

## Analogous

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



35.1141, 0.4927, 0.3221



35.1141, 0.5085, 0.3906



35.1141, 0.4640, 0.4606

# Triad

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



35.1141, 0.5085, 0.3906



35.1141, 0.2085, 0.4086



35.1141, 0.2210, 0.1862

# Complementary

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



35.1141, 0.5085, 0.3906



38.9786, 0.2077, 0.2384

# 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.



35.1141, 0.1677, 0.1872



35.1141, 0.5085, 0.3906



35.1141, 0.1596, 0.2956

# Square

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



35.1141, 0.5085, 0.3906



35.1141, 0.2907, 0.5022



35.1141, 0.1474, 0.2205



35.1141, 0.3082, 0.2119



# Rectangle

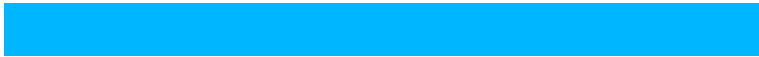
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.1141, 0.5085, 0.3906



35.1141, 0.4129, 0.4998



35.1141, 0.1474, 0.2205



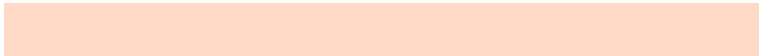
35.1141, 0.1993, 0.1834

# Sweetspot

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



35.1160, 0.5085, 0.3906



76.2865, 0.3533, 0.3501



25.9076, 0.3961, 0.2184



15.7772, 0.3594, 0.3528



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.



35.1160, 0.5085, 0.3906



32.7692, 0.5557, 0.3861



68.5332, 0.4287, 0.4707



17.4774, 0.3284, 0.3377



14.6223, 0.5790, 0.3785



1.4741, 0.5553, 0.3973



# Inverse Universe

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



38.9786, 0.2077, 0.2384



36.8938, 0.1954, 0.2169



14.8413, 0.1776, 0.1204



17.6766, 0.2980, 0.3201



16.4852, 0.1901, 0.2042



1.6445, 0.1949, 0.2216



# Previews

## White Background



This preview shows how the Yxy color 35.1141, 0.5085, 0.3906 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 35.1141, 0.5085, 0.3906 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 35.1141, 0.5085, 0.3906**

## Background



This preview shows how black text looks on a background with the Yxy color 35.1141, 0.5085, 0.3906.



This preview shows how white text looks on a background with the Yxy color 35.1141, 0.5085, 0.3906.

# 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

35.1141, 0.5085, 0.3906

### Protanopia

35.4226, 0.4087, 0.4486

### Deuteranopia

35.0312, 0.4498, 0.4403



## Tritanopia

35.1236, 0.4477, 0.3210

# Trichromacy



## Original Color

35.1141, 0.5085, 0.3906

## Protanomaly

34.4811, 0.4464, 0.4255

## Deuteranomaly

34.8612, 0.4723, 0.4213

## Tritanomaly

35.1203, 0.4730, 0.3490

# Monochromacy



## Original Color

35.1141, 0.5085, 0.3906

## Achromatopsia

33.2452, 0.3127, 0.3290

## Achromatomaly

32.6543, 0.3833, 0.3625

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.1141, 0.5085, 0.3906 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(243, 129, 63)` looks like.

```
.text, #text, p{  
    color:rgb(243, 129, 63)  
}
```

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(243, 129, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 129, 63) }
```

## Border

The CSS property to change the border of an element to Yxy 35.1141, 0.5085, 0.3906 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(243, 129, 63) }
```

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

```
.border{ border-color:rgb(243, 129, 63) }
```

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

Here you see how a box with a 4 pixel rgb(243, 129, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 129, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 129, 63);  
box-shadow:4px 4px 4px 4px rgb(243, 129,  
63) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.1141, 0.5085, 0.3906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 129, 63) }
```

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

```
.background{ background-color: rgb(243,  
129, 63) }
```

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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