

# Converting Colors

$Y_{xy}(39.5776, 0.4522, 0.3687)$

Have a look what the booklet for  
Yxy(39.5776, 0.4522, 0.3687)  
contains.

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# **Color**

**Yxy(39.5545, 0.4525, 0.3682)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F0906C
RGB	240, 144, 108
RGB Percent	94%, 56%, 42%
CMY	0.0589, 0.4352, 0.5764
CMYK	0.00, 0.40, 0.55, 0.06
HSL	16°, 81%, 68%
HSV	16°, 55%, 94%
XYZ	48.6106, 39.5545, 19.2616
YIQ	168.6000, 68.7720, 9.1560

# Conversions

## Conversions Part 2

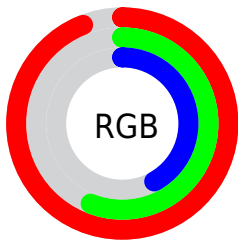
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 158, 108
Decimal	15765612
CIE Lab	69.15, 32.82, 34.54
CIE LCh	69, 47.648, 46.460
Yxy	39.5545, 0.4525, 0.3682
Android (android.graphics.Color)	4293955692 (0xFFFF0906C)
YUV	168.6000, -29.8758, 62.6178
Hunter-Lab	62.8924, 27.9040, 25.8663

# Details

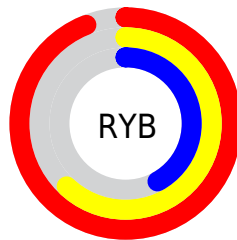
The Yxy color **39.5545, 0.4525, 0.3682** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **52.6498, 0.2333, 0.2824**, and the grayscale version is **39.5950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6449, 0.3891, 0.3698**, and **17.6838, 0.4930, 0.3715** is the 20% darker color. If you saturate the color by 10%, you get **34.2294, 0.4903, 0.3724**, and if you desaturate by 10%, it is **45.8413, 0.4178, 0.3619**.

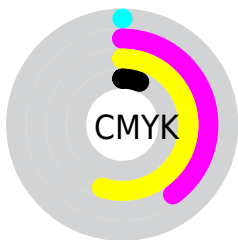
# Distribution



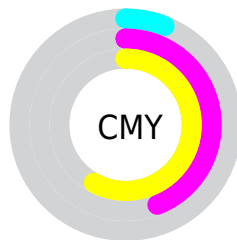
- Red (94%)
- Green (56%)
- Blue (42%)



- Red (94%)
- Yellow (62%)
- Blue (42%)



- Cyan (0%)
- Magenta (40%)
- Yellow (55%)
- Black (6%)




- Cyan (6%)
- Magenta (44%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.5545, 0.4525, 0.3682 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 39.5545, 0.4525, 0.3682 by changing the saturation by 10% instead.





 39.5545, 0.4525,  
0.3682


 39.5545, 0.4525,  
0.3682

344.2423, 0.3808,  
0.3526


 27.1914, 0.4704,  
0.3705


 74.4846, 0.4263,  
0.3637


 17.7170, 0.4930,  
0.3723


 97.8204, 0.4165,  
0.3616

 10.7470, 0.5224,  
0.3728


 125.5826, 0.4082,  
0.3597

 5.8970, 0.5609,  
0.3698

 158.1555, 0.4011,  
0.3580

 2.7825, 0.6312,  
0.3688

195.9235, 0.3950,  
0.3565

 1.0193, 0.6776,  
0.3224

239.2710, 0.3896,

 0.0000, 1.0000,

0.3550

0.0000

288.5825, 0.3849,  
0.3538

0.0000, 0.0000,  
0.0000

39.5545, 0.4525,  
0.3682

39.5545, 0.4525,  
0.3682

34.2294, 0.4903,  
0.3724

45.8413, 0.4178,  
0.3619

29.8106, 0.5289,  
0.3734

53.1293, 0.3874,  
0.3546

26.2462, 0.5647,  
0.3701


61.4628, 0.3613,  
0.3470


23.4751, 0.5936,  
0.3623

70.8819, 0.3392,  
0.3395

22.3580, 0.6053,  
0.3576

81.4243, 0.3208,  
0.3324

 93.1260, 0.3053,  
0.3258

 97.2618, 0.3035,  
0.3290

# Harmonies

## Analogous

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



39.5545, 0.4268, 0.3158



39.5545, 0.4525, 0.3682



39.5545, 0.4353, 0.4186

# Triad

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



39.5545, 0.4525, 0.3682



39.5545, 0.2543, 0.4011



39.5545, 0.2347, 0.2215

# Complementary

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



39.5545, 0.4525, 0.3682



52.6498, 0.2333, 0.2824

# 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.



39.5545, 0.1994, 0.2301



39.5545, 0.4525, 0.3682



39.5545, 0.2087, 0.3273

# Square

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



39.5545, 0.4525, 0.3682



39.5545, 0.3188, 0.4512



39.5545, 0.1903, 0.2653



39.5545, 0.2936, 0.2359



# Rectangle

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



39.5545, 0.4525, 0.3682



39.5545, 0.4045, 0.4448



39.5545, 0.1903, 0.2653



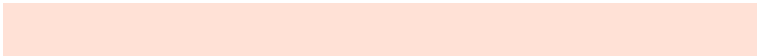
39.5545, 0.2201, 0.2217

# Sweetspot

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



39.5565, 0.4525, 0.3682



80.1558, 0.3414, 0.3403



33.6459, 0.3550, 0.2284



16.6624, 0.3457, 0.3418



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.



39.5565, 0.4525, 0.3682



38.6152, 0.4950, 0.3727



65.2971, 0.4090, 0.4344



16.4606, 0.3286, 0.3355



12.4306, 0.6025, 0.3598



1.1940, 0.5768, 0.3802



# Inverse Universe

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



52.6498, 0.2333, 0.2824



54.8705, 0.2211, 0.2710



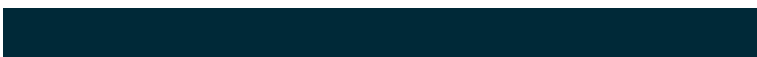
27.8862, 0.2143, 0.1921



17.1570, 0.2981, 0.3224



20.3568, 0.1994, 0.2379



1.8581, 0.2031, 0.2513



# Previews

## White Background



This preview shows how the Yxy color 39.5545, 0.4525, 0.3682 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 39.5545, 0.4525, 0.3682 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 39.5545, 0.4525, 0.3682**

## Background



This preview shows how black text looks on a background with the Yxy color 39.5545, 0.4525, 0.3682.



This preview shows how white text looks on a background with the Yxy color 39.5545, 0.4525, 0.3682.

# 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

39.5545, 0.4525, 0.3682

### Protanopia

39.7512, 0.3713, 0.3991

### Deuteranopia

39.8397, 0.4089, 0.4008



## Tritanopia

39.6899, 0.4140, 0.3183

# Trichromacy



## Original Color

39.5545, 0.4525, 0.3682

## Protanomaly

39.1939, 0.4009, 0.3879

## Deuteranomaly

39.3887, 0.4256, 0.3877

## Tritanomaly

39.6482, 0.4288, 0.3370

# Monochromacy



## Original Color

39.5545, 0.4525, 0.3682

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

38.8503, 0.3597, 0.3464

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.5545, 0.4525, 0.3682 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(240, 144, 108)` looks like.

```
.text, #text, p{  
    color:rgb(240, 144, 108)  
}
```

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(240, 144, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 144, 108) }
```

## Border

The CSS property to change the border of an element to Yxy 39.5545, 0.4525, 0.3682 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(240, 144, 108) }
```

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

```
.border{ border-color:rgb(240, 144, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 144, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(240, 144, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(240, 144, 108); box-shadow:4px 4px 4px 4px rgb(240, 144, 108) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.5545, 0.4525, 0.3682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 144, 108) }
```

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

```
.background{ background-color: rgb(240,  
144, 108) }
```

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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