

# Converting Colors

$Y_{xy}(38.5012, 0.4662, 0.3716)$

Have a look what the booklet for  
Yxy(38.5012, 0.4662, 0.3716)  
contains.

|   |    |
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# **Color**

**Yxy(38.5343, 0.4662, 0.3724)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>              |
|---------------|---------------------------|
| Hex           | F28C63                    |
| RGB           | 242, 140, 99              |
| RGB Percent   | 95%, 55%, 39%             |
| CMY           | 0.0511, 0.4509, 0.6117    |
| CMYK          | 0.00, 0.42, 0.59, 0.05    |
| HSL           | 17°, 85%, 67%             |
| HSV           | 17°, 59%, 95%             |
| XYZ           | 48.2403, 38.5343, 16.7010 |
| YIQ           | 165.8240, 73.9530, 8.8730 |

# Conversions

## Conversions Part 2

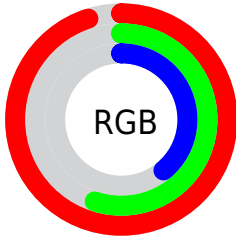
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 242, 156, 99                   |
| Decimal                             | 15895651                       |
| CIE Lab                             | 68.41, 34.99, 38.48            |
| CIE LCh                             | 68, 52.008, 47.721             |
| Yxy                                 | 38.5343, 0.4662,<br>0.3724     |
| Android<br>(android.graphics.Color) | 4294085731<br>(0xFFFF28C63)    |
| YUV                                 | 165.8240, -32.9442,<br>66.8064 |
| Hunter-Lab                          | 62.0760, 30.0824,<br>27.5018   |

# Details

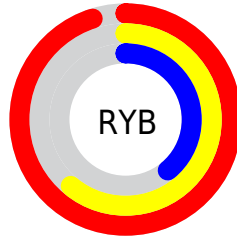
The Yxy color **38.5343, 0.4662, 0.3724** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **50.8111, 0.2280, 0.2755**, and the grayscale version is **38.1816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5246, 0.3979, 0.3750**, and **17.0422, 0.5099, 0.3755** is the 20% darker color. If you saturate the color by 10%, you get **33.4863, 0.5040, 0.3757**, and if you desaturate by 10%, it is **44.5155, 0.4306, 0.3665**.

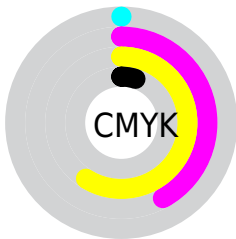
# Distribution



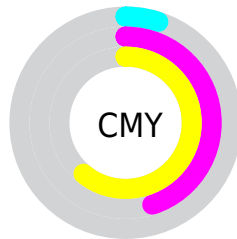
- Red (95%)
- Green (55%)
- Blue (39%)



- Red (95%)
- Yellow (61%)
- Blue (39%)



- Cyan (0%)
- Magenta (42%)
- Yellow (59%)
- Black (5%)




- Cyan (5%)
- Magenta (45%)
- Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.5343, 0.4662, 0.3724 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 38.5343, 0.4662, 0.3724 by changing the saturation by 10% instead.





 38.5343, 0.4662,  
0.3724


 38.5343, 0.4662,  
0.3724


339.9065, 0.3875,  
0.3557


 26.3976, 0.4856,  
0.3745


 72.9263, 0.4376,  
0.3678

 17.1214, 0.5100,  
0.3758


 95.9505, 0.4268,  
0.3656

 10.3210, 0.5411,  
0.3751


 123.3726, 0.4177,  
0.3636

 5.6123, 0.5817,  
0.3699

 155.5771, 0.4099,  
0.3617

 2.6108, 0.6421,  
0.3579

192.9483, 0.4031,  
0.3600

 0.9321, 0.6922,  
0.3078

235.8707, 0.3973,

 0.0000, 1.0000,

0.3584

0.0000

284.7286, 0.3921,  
0.3570

0.0000, 0.0000,  
0.0000

38.5343, 0.4662,  
0.3724

38.5343, 0.4662,  
0.3724

33.4863, 0.5040,  
0.3757

44.5155, 0.4306,  
0.3665

29.3161, 0.5414,  
0.3752

51.4696, 0.3988,  
0.3592

25.9708, 0.5745,  
0.3701

59.4410, 0.3712,  
0.3512

23.3841, 0.6000,  
0.3609

68.4693, 0.3477,  
0.3432

23.1805, 0.6021,  
0.3601

78.5924, 0.3279,  
0.3356

■ 89.8457, 0.3113,  
0.3284

■ 97.6115, 0.3047,  
0.3290

# Harmonies

## Analogous

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



38.5343, 0.4405, 0.3160



38.5343, 0.4662, 0.3724



38.5343, 0.4444, 0.4274

# Triad

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



38.5343, 0.4662, 0.3724



38.5343, 0.2456, 0.4058



38.5343, 0.2297, 0.2127

# Complementary

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



38.5343, 0.4662, 0.3724



50.8111, 0.2280, 0.2755

# 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.



38.5343, 0.1908, 0.2202



38.5343, 0.4662, 0.3724



38.5343, 0.1978, 0.3229

# Square

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



38.5343, 0.4662, 0.3724



38.5343, 0.3151, 0.4636



38.5343, 0.1798, 0.2562



38.5343, 0.2945, 0.2292



# Rectangle

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



38.5343, 0.4662, 0.3724



38.5343, 0.4095, 0.4566



38.5343, 0.1798, 0.2562



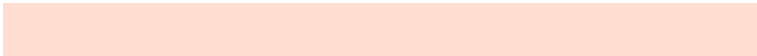
38.5343, 0.2137, 0.2123

# Sweetspot

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



38.5363, 0.4662, 0.3724



78.2545, 0.3455, 0.3424



32.0353, 0.3620, 0.2245



16.0796, 0.3518, 0.3447



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.



38.5363, 0.4662, 0.3724



36.6494, 0.5121, 0.3760



66.3575, 0.4148, 0.4428



16.4975, 0.3286, 0.3358



12.6581, 0.5992, 0.3624



1.2171, 0.5735, 0.3828



# Inverse Universe

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



50.8111, 0.2280, 0.2755



51.4102, 0.2156, 0.2624



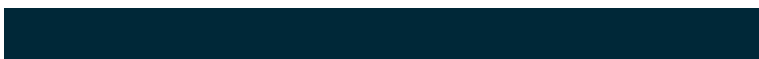
25.0222, 0.2061, 0.1769



17.1179, 0.2981, 0.3221



19.6551, 0.1980, 0.2328



1.8043, 0.2020, 0.2470



# Previews

## White Background



This preview shows how the Yxy color 38.5343, 0.4662, 0.3724 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 38.5343, 0.4662, 0.3724 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 38.5343, 0.4662, 0.3724**

## Background



This preview shows how black text looks on a background with the Yxy color 38.5343, 0.4662, 0.3724.



This preview shows how white text looks on a background with the Yxy color 38.5343, 0.4662, 0.3724.

# 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

38.5343, 0.4662, 0.3724

### Protanopia

38.6866, 0.3792, 0.4089

### Deuteranopia

38.8052, 0.4181, 0.4103



## Tritanopia

38.4763, 0.4240, 0.3185

# Trichromacy



## Original Color

38.5343, 0.4662, 0.3724

## Protanomaly

37.9712, 0.4112, 0.3952

## Deuteranomaly

38.5324, 0.4363, 0.3964

## Tritanomaly

38.3999, 0.4402, 0.3380

# Monochromacy



## Original Color

38.5343, 0.4662, 0.3724

## Achromatopsia

38.1326, 0.3127, 0.3290

## Achromatomaly

37.5363, 0.3646, 0.3492

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.5343, 0.4662, 0.3724 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(242, 140, 99)` looks like.

```
.text, #text, p{  
    color:rgb(242, 140, 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(242, 140, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 140, 99) }
```

## Border

The CSS property to change the border of an element to Yxy 38.5343, 0.4662, 0.3724 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(242, 140, 99) }
```

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

```
.border{ border-color:rgb(242, 140, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 140, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 140, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 140, 99);  
box-shadow:4px 4px 4px 4px rgb(242, 140,  
99) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.5343, 0.4662, 0.3724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 140, 99) }
```

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

```
.background{ background-color: rgb(242,  
140, 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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