

# Converting Colors

Yxy(53.8148, 0.4670, 0.4561)

Have a look what the booklet for  
Yxy(53.8148, 0.4670, 0.4561)  
contains.

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# **Color**

**Yxy(53.8148, 0.4670, 0.4561)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5B823
RGB	245, 184, 35
RGB Percent	96%, 72%, 14%
CMY	0.0392, 0.2784, 0.8627
CMYK	0.00, 0.25, 0.86, 0.04
HSL	43°, 91%, 55%
HSV	43°, 86%, 96%
XYZ	55.1009, 53.8148, 9.0734
YIQ	185.2530, 84.1850, -33.4070

# Conversions

## Conversions Part 2

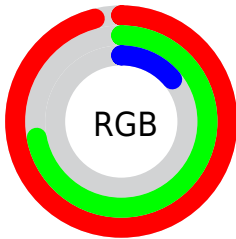
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	121, 245, 35
Decimal	16103459
CIE <sub>Lab</sub>	78.35, 10.21, 75.32
CIE <sub>LCh</sub>	78, 76.011, 82.277
Yxy	53.8148, 0.4670, 0.4561
Android (android.graphics.Color)	4294293539 (0xFFFF5B823)
YUV	185.2530, -74.0747, 52.3981
Hunter-Lab	73.3586, 5.6969, 44.0177

# Details

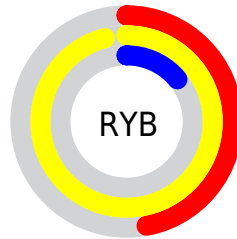
The Yxy color **53.8148, 0.4670, 0.4561** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **15.3169, 0.1710, 0.1226**, and the grayscale version is **49.0519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4432, 0.4081, 0.4622**, and **26.2999, 0.4802, 0.4569** is the 20% darker color. If you saturate the color by 10%, you get **50.8363, 0.4788, 0.4557**, and if you desaturate by 10%, it is **57.0488, 0.4520, 0.4514**.

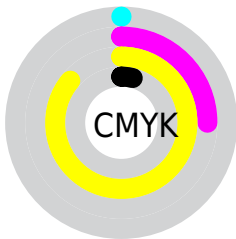
# Distribution



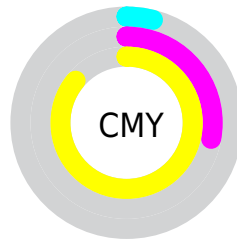
- Red (96%)
- Green (72%)
- Blue (14%)



- Red (47%)
- Yellow (96%)
- Blue (14%)



- Cyan (0%)
- Magenta (25%)
- Yellow (86%)
- Black (4%)




- Cyan (4%)
- Magenta (28%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8148, 0.4670, 0.4561 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 53.8148, 0.4670, 0.4561 by changing the saturation by 10% instead.





 53.8148, 0.4670,  
0.4561


 53.8148, 0.4670,  
0.4561


401.4034, 0.3996,  
0.4046

 38.4536, 0.4793,  
0.4641

 95.8023, 0.4457,  
0.4410

 26.3349, 0.4924,  
0.4715


 123.1973, 0.4367,  
0.4342

 17.0744, 0.5063,  
0.4779


 155.3725, 0.4287,  
0.4280

 10.2875, 0.5193,  
0.4807

 192.7121, 0.4216,  
0.4224

 5.5900, 0.5263,  
0.4737

 235.6007, 0.4152,  
0.4173

 2.5974, 0.5373,  
0.4627

 284.4224, 0.4095,

 0.9254, 0.5567,

0.4127

0.4433

339.5619, 0.4043,  
0.4085

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

53.8148, 0.4670,  
0.4561

53.8148, 0.4670,  
0.4561

50.8363, 0.4788,  
0.4557


57.0488, 0.4520,  
0.4514

49.6218, 0.4833,  
0.4545


60.5504, 0.4344,  
0.4420


64.3392, 0.4151,  
0.4286


68.4298, 0.3951,  
0.4124

 72.8352, 0.3752,  
0.3945

 77.5676, 0.3560,  
0.3758

 82.6380, 0.3381,  
0.3571

 88.0569, 0.3215,  
0.3390

 93.8013, 0.3067,  
0.3222

# Harmonies

## Analogous

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



53.8148, 0.5082, 0.3864



53.8148, 0.4670, 0.4561



53.8148, 0.3887, 0.5098

# Triad

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



53.8148, 0.4670, 0.4561



53.8148, 0.1623, 0.3018



53.8148, 0.3025, 0.2104

# Complementary

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



53.8148, 0.4670, 0.4561



15.3169, 0.1710, 0.1226

# 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.



53.8148, 0.2175, 0.1863



53.8148, 0.4670, 0.4561



53.8148, 0.1481, 0.2243

# Square

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



53.8148, 0.4670, 0.4561



53.8148, 0.2133, 0.4149



53.8148, 0.1665, 0.1890



53.8148, 0.4068, 0.2571



# Rectangle

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



53.8148, 0.4670, 0.4561



53.8148, 0.3274, 0.5154



53.8148, 0.1665, 0.1890



53.8148, 0.2707, 0.1996

# Sweetspot

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



53.8175, 0.4670, 0.4561



84.7634, 0.3567, 0.3764



21.4974, 0.5357, 0.2846



17.7499, 0.3632, 0.3829



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.



53.8175, 0.4670, 0.4561



54.2793, 0.4834, 0.4544



78.1246, 0.3856, 0.5231



18.4528, 0.3276, 0.3457



26.9818, 0.4820, 0.4555



2.5478, 0.4722, 0.4632



# Inverse Universe

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



15.3169, 0.1710, 0.1226



12.1269, 0.1596, 0.0944



9.3734, 0.1727, 0.0804



16.7109, 0.2980, 0.3117



6.1965, 0.1604, 0.0974



0.7142, 0.1671, 0.1216



# Previews

## White Background



This preview shows how the Yxy color 53.8148, 0.4670, 0.4561 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 53.8148, 0.4670, 0.4561 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 53.8148, 0.4670, 0.4561**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.8148, 0.4670, 0.4561.



This preview shows how white text looks on a background with the Yxy color 53.8148, 0.4670, 0.4561.

# 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

53.8148, 0.4670, 0.4561

### Protanopia

54.0756, 0.4334, 0.4804

### Deuteranopia

53.8148, 0.4670, 0.4561



## Tritanopia

53.6573, 0.3768, 0.3155

# Trichromacy



**Original Color**

53.8148, 0.4670, 0.4561

**Protanomaly**

53.8892, 0.4458, 0.4714

**Deuteranomaly**

53.8148, 0.4670, 0.4561

**Tritanomaly**

53.1716, 0.4215, 0.3777

# Monochromacy



**Original Color**

53.8148, 0.4670, 0.4561

**Achromatopsia**

48.5150, 0.3127, 0.3290

**Achromatomaly**

49.5750, 0.3772, 0.3969

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.8148, 0.4670, 0.4561 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(245, 184, 35)` looks like.

```
.text, #text, p{  
    color:rgb(245, 184, 35)  
}
```

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(245, 184, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 184, 35) }
```

## Border

The CSS property to change the border of an element to Yxy 53.8148, 0.4670, 0.4561 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(245, 184, 35) }
```

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

```
.border{ border-color:rgb(245, 184, 35) }
```

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

Here you see how a box with a 4 pixel rgb(245, 184, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 184, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 184, 35);  
box-shadow:4px 4px 4px 4px rgb(245, 184,  
35) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.8148, 0.4670, 0.4561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 184, 35) }
```

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

```
.background{ background-color: rgb(245,  
184, 35) }
```

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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