

# Converting Colors

$Y_{xy}(54.8399, 0.4570, 0.4459)$

Have a look what the booklet for  
Yxy(54.8399, 0.4570, 0.4459)  
contains.

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# **Color**

**Yxy(55.0369, 0.4571, 0.4462)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6BA3C
RGB	246, 186, 60
RGB Percent	96%, 73%, 24%
CMY	0.0353, 0.2706, 0.7647
CMYK	0.00, 0.24, 0.76, 0.04
HSL	41°, 91%, 60%
HSV	41°, 76%, 96%
XYZ	56.3814, 55.0369, 11.9275
YIQ	189.5760, 76.2060, -26.4660

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	149, 246, 60
Decimal	16169532
CIE <sub>Lab</sub>	79.06, 10.36, 68.20
CIE <sub>LCh</sub>	79, 68.988, 81.360
Yxy	55.0369, 0.4571, 0.4462
Android (android.graphics.Color)	4294359612 (0xFFFF6BA3C)
YUV	189.5760, -63.8810, 49.4838
Hunter-Lab	74.1869, 5.8314, 42.3983

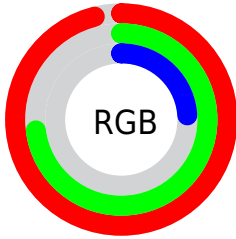
# Details

The Yxy color **55.0369, 0.4571, 0.4462** is a light color, and the websafe version is hex **FFCC33**.

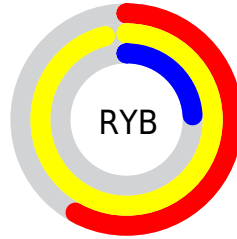
The color can be described as light washed orange. A complement of this color would be **21.0498, 0.1852, 0.1546**, and the grayscale version is **51.5797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0252, 0.3981, 0.4497**, and **27.0893, 0.4795, 0.4575** is the 20% darker color. If you saturate the color by 10%, you get **51.5856, 0.4736, 0.4503**, and if you desaturate by 10%, it is **58.8002, 0.4381, 0.4373**.

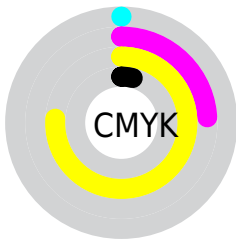
# Distribution



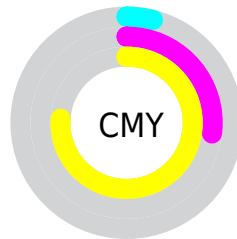
- Red (96%)
- Green (73%)
- Blue (24%)



- Red (58%)
- Yellow (96%)
- Blue (24%)



- Cyan (0%)
- Magenta (24%)
- Yellow (76%)
- Black (4%)




- Cyan (4%)
- Magenta (27%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.0369, 0.4571, 0.4462 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 55.0369, 0.4571, 0.4462 by changing the saturation by 10% instead.





 55.0369, 0.4571,  
0.4462


 55.0369, 0.4571,  
0.4462


406.0518, 0.3925,  
0.3973


 39.4313, 0.4697,  
0.4545


 97.5950, 0.4361,  
0.4312

 27.0954, 0.4837,  
0.4630


 125.3163, 0.4274,  
0.4248


 17.6449, 0.4986,  
0.4705


 157.8449, 0.4198,  
0.4189

 10.6953, 0.5193,  
0.4807

 195.5652, 0.4131,  
0.4137

 5.8624, 0.5263,  
0.4737

 238.8617, 0.4070,  
0.4089

 2.7616, 0.5370,  
0.4630

288.1187, 0.4017,

 1.0086, 0.5558,

0.4047

0.4442

343.7206, 0.3968,  
0.4008

■ 0.0000, 1.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.0369, 0.4571,  
0.4462

■ 55.0369, 0.4571,  
0.4462

■ 51.5856, 0.4736,  
0.4503

■ 58.8002, 0.4381,  
0.4373


■ 48.4168, 0.4868,  
0.4492

■ 62.8849, 0.4176,  
0.4244

■ 47.1014, 0.4919,  
0.4476

■ 67.3095, 0.3966,  
0.4088


■ 72.0879, 0.3760,  
0.3916

 77.2329, 0.3563,  
0.3736

 82.7567, 0.3381,  
0.3557

 88.6704, 0.3214,  
0.3383

 94.8673, 0.3073,  
0.3236

 98.3331, 0.3072,  
0.3290

# Harmonies

## Analogous

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



55.0369, 0.4911, 0.3828



55.0369, 0.4571, 0.4462



55.0369, 0.3871, 0.4924

# Triad

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



55.0369, 0.4571, 0.4462



55.0369, 0.1759, 0.3086



55.0369, 0.3013, 0.2188

# Complementary

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



55.0369, 0.4571, 0.4462



21.0498, 0.1852, 0.1546

# 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.



55.0369, 0.2240, 0.1971



55.0369, 0.4571, 0.4462



55.0369, 0.1608, 0.2361

# Square

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



55.0369, 0.4571, 0.4462



55.0369, 0.2251, 0.4089



55.0369, 0.1770, 0.2011



55.0369, 0.3952, 0.2620



# Rectangle

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



55.0369, 0.4571, 0.4462



55.0369, 0.3310, 0.4961



55.0369, 0.1770, 0.2011



55.0369, 0.2726, 0.2090

# Sweetspot

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



55.0396, 0.4571, 0.4462



85.2989, 0.3515, 0.3690



24.2314, 0.4892, 0.2748



17.8068, 0.3584, 0.3755



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.



55.0396, 0.4571, 0.4462



54.0231, 0.4814, 0.4503



80.6866, 0.3885, 0.5072



18.3596, 0.3277, 0.3450



25.4057, 0.4904, 0.4488



2.4186, 0.4793, 0.4577



# Inverse Universe

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



21.0498, 0.1852, 0.1546



16.1003, 0.1681, 0.1189



12.1115, 0.1834, 0.0985



16.7994, 0.2980, 0.3125



6.7883, 0.1625, 0.1051



0.7752, 0.1694, 0.1298



# Previews

## White Background



This preview shows how the Yxy color 55.0369, 0.4571, 0.4462 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 55.0369, 0.4571, 0.4462 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 55.0369, 0.4571, 0.4462**

## Background



This preview shows how black text looks on a background with the Yxy color 55.0369, 0.4571, 0.4462.



This preview shows how white text looks on a background with the Yxy color 55.0369, 0.4571, 0.4462.

# 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

55.0369, 0.4571, 0.4462

### Protanopia

55.0544, 0.4254, 0.4670

### Deuteranopia

55.0369, 0.4571, 0.4462



## Tritanopia

54.9308, 0.3732, 0.3155

# Trichromacy



**Original Color**

55.0369, 0.4571, 0.4462

**Protanomaly**

54.7051, 0.4368, 0.4593

**Deuteranomaly**

55.0369, 0.4571, 0.4462

**Tritanomaly**

54.2731, 0.4109, 0.3685

# Monochromacy



**Original Color**

55.0369, 0.4571, 0.4462

**Achromatopsia**

51.4918, 0.3127, 0.3290

**Achromatomaly**

52.0800, 0.3678, 0.3851

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.0369, 0.4571, 0.4462 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(246, 186, 60)` looks like.

```
.text, #text, p{  
    color:rgb(246, 186, 60)  
}
```

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(246, 186, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 186, 60) }
```

## Border

The CSS property to change the border of an element to Yxy 55.0369, 0.4571, 0.4462 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(246, 186, 60) }
```

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

```
.border{ border-color:rgb(246, 186, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 186, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 186, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 186, 60);  
box-shadow:4px 4px 4px 4px rgb(246, 186,  
60) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.0369, 0.4571, 0.4462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 186, 60) }
```

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

```
.background{ background-color: rgb(246,  
186, 60) }
```

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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