

# Converting Colors

$Y_{xy}(54.5953, 0.4679, 0.4667)$

Have a look what the booklet for  
Yxy(54.5953, 0.4679, 0.4667)  
contains.

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**Color**

**Yxy(54.5953, 0.4679, 0.4667)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3BB00
RGB	243, 187, 0
RGB Percent	95%, 73%, 0%
CMY	0.0470, 0.2667, 1.0000
CMYK	0.00, 0.23, 1.00, 0.05
HSL	46°, 100%, 48%
HSV	46°, 100%, 95%
XYZ	54.7357, 54.5953, 7.6506
YIQ	182.4260, 93.4030, -46.2850

# Conversions

## Conversions Part 2

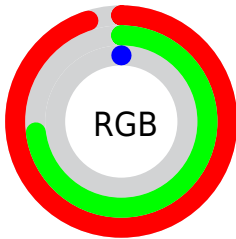
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	73, 243, 0
Decimal	15973120
CIE Lab	78.81, 7.33, 80.93
CIE LCh	79, 81.264, 84.822
Yxy	54.5953, 0.4679, 0.4667
Android (android.graphics.Color)	4294163200 (0xFFFF3BB00)
YUV	182.4260, -89.9360, 53.1234
Hunter-Lab	73.8886, 2.9252, 45.5830

# Details

The Yxy color **54.5953, 0.4679, 0.4667** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **9.3014, 0.1563, 0.0826**, and the grayscale version is **47.4886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9857, 0.4120, 0.4733**, and **26.8740, 0.4740, 0.4618** is the 20% darker color. If you saturate the color by 10%, you get **54.5982, 0.4679, 0.4667**, and if you desaturate by 10%, it is **57.0886, 0.4594, 0.4674**.

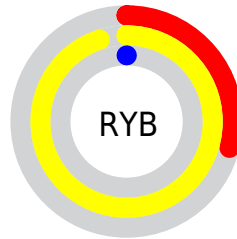
# Distribution



Red (95%)

Green (73%)

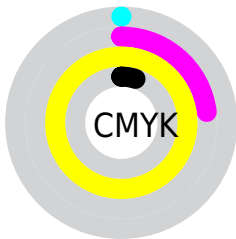
Blue (0%)



Red (29%)

Yellow (95%)

Blue (0%)

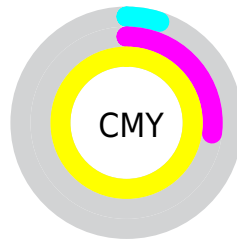


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (5%)



Cyan (5%)

Magenta (27%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.5953, 0.4679, 0.4667 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 54.5953, 0.4679, 0.4667 by changing the saturation by 10% instead.





 54.5953, 0.4679,  
0.4667


 54.5953, 0.4679,  
0.4667


404.3760, 0.4022,  
0.4117

 39.0778, 0.4791,  
0.4749


 96.9478, 0.4478,  
0.4508


 26.8203, 0.4905,  
0.4824


 124.5515, 0.4391,  
0.4436

 17.4383, 0.5035,  
0.4901


 156.9528, 0.4313,  
0.4370

 10.5475, 0.5102,  
0.4898

 194.5360, 0.4242,  
0.4309

 5.7634, 0.5153,  
0.4847

 237.6855, 0.4179,  
0.4254

 2.7018, 0.5231,  
0.4769

 286.7858, 0.4121,

 0.9781, 0.5370,

0.4204

0.4630

342.2211, 0.4069,  
0.4159

■ 0.0000, 1.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.5953, 0.4679,  
0.4667

■ 54.5953, 0.4679,  
0.4667

■ 54.5982, 0.4679,  
0.4667

■ 57.0886, 0.4594,  
0.4674

■ 59.7567, 0.4482,  
0.4637

■ 62.6298, 0.4341,  
0.4553

■ 65.7243, 0.4176,  
0.4425

■ 69.0545, 0.3998,  
0.4263

■ 72.6327, 0.3812,  
0.4079

■ 76.4702, 0.3628,  
0.3881

■ 80.5773, 0.3450,  
0.3680

■ 84.9635, 0.3282,  
0.3481

# Harmonies

## Analogous

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



54.5953, 0.5173, 0.3931



54.5953, 0.4679, 0.4667



54.5953, 0.3828, 0.5231

# Triad

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



54.5953, 0.4679, 0.4667



54.5953, 0.1518, 0.2902



54.5953, 0.3104, 0.2078

# Complementary

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



54.5953, 0.4679, 0.4667



9.3014, 0.1563, 0.0826

# 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.



54.5953, 0.2183, 0.1806



54.5953, 0.4679, 0.4667



54.5953, 0.1407, 0.2133

# Square

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



54.5953, 0.4679, 0.4667



54.5953, 0.2010, 0.4100



54.5953, 0.1625, 0.1805



54.5953, 0.4216, 0.2580



# Rectangle

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



54.5953, 0.4679, 0.4667



54.5953, 0.3181, 0.5264



54.5953, 0.1625, 0.1805



54.5953, 0.2761, 0.1959

# Sweetspot

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



54.5982, 0.4679, 0.4667



85.2759, 0.3630, 0.3883



19.3495, 0.6019, 0.3090



17.8577, 0.3707, 0.3967



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.



54.5982, 0.4679, 0.4667



60.8415, 0.4680, 0.4666



73.5989, 0.3721, 0.5427



18.6280, 0.3274, 0.3471



30.1763, 0.4670, 0.4674



2.8060, 0.4597, 0.4732



# Inverse Universe

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



9.3014, 0.1563, 0.0826



10.3248, 0.1562, 0.0823



7.5890, 0.1649, 0.0682



16.5464, 0.2979, 0.3102



5.2725, 0.1569, 0.0850



0.6134, 0.1632, 0.1075



# Previews

## White Background



This preview shows how the Yxy color 54.5953, 0.4679, 0.4667 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

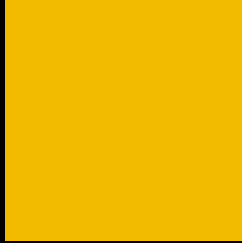
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.5953, 0.4679, 0.4667 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 54.5953, 0.4679, 0.4667**

## Background



This preview shows how black text looks on a background with the Yxy color 54.5953, 0.4679, 0.4667.



This preview shows how white text looks on a background with the Yxy color 54.5953, 0.4679, 0.4667.

# 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

54.5953, 0.4679, 0.4667

### Protanopia

54.7220, 0.4390, 0.4870

### Deuteranopia

54.4962, 0.4720, 0.4612



## Tritanopia

54.5554, 0.3715, 0.3154

# Trichromacy



## Original Color

54.5953, 0.4679, 0.4667

## Protanomaly

54.6514, 0.4489, 0.4801

## Deuteranomaly

54.7260, 0.4706, 0.4631

## Tritanomaly

53.7118, 0.4272, 0.3922

# Monochromacy



## Original Color

54.5953, 0.4679, 0.4667

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

48.3793, 0.3861, 0.4133

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.5953, 0.4679, 0.4667 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, 187, 0)` looks like.

```
.text, #text, p{  
    color:rgb(243, 187, 0)  
}
```

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, 187, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 187, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 54.5953, 0.4679, 0.4667 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, 187, 0) }
```

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

```
.border{ border-color:rgb(243, 187, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 187, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 187, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 187, 0);  
box-shadow:4px 4px 4px 4px rgb(243, 187,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.5953, 0.4679, 0.4667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 187, 0) }
```

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

```
.background{ background-color: rgb(243,  
187, 0) }
```

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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