

# Converting Colors

$Y_{xy}(57.5594, 0.4359, 0.4558)$

Have a look what the booklet for  
Yxy(57.5594, 0.4359, 0.4558)  
contains.

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# **Color**

**Yxy(57.5594, 0.4359, 0.4558)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBC444
RGB	235, 196, 68
RGB Percent	92%, 77%, 27%
CMY	0.0784, 0.2314, 0.7333
CMYK	0.00, 0.17, 0.71, 0.08
HSL	46°, 81%, 59%
HSV	46°, 71%, 92%
XYZ	55.0464, 57.5594, 13.6764
YIQ	193.0690, 64.3320, -31.5400

# Conversions

## Conversions Part 2

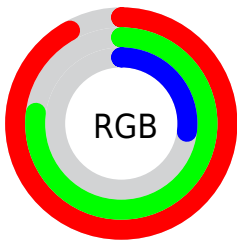
Format	Color
<b>R<sub>YB</sub></b>	119, 235, 68
Decimal	15451204
CIE <sub>Lab</sub>	80.49, 0.85, 66.21
CIE <sub>LCh</sub>	80, 66.212, 89.261
Yxy	57.5594, 0.4359, 0.4558
Android (android.graphics.Color)	4293641284 (0xFFEBC444)
YUV	193.0690, -61.6590, 36.7735
Hunter-Lab	75.8679, -3.2572, 42.4196

# Details

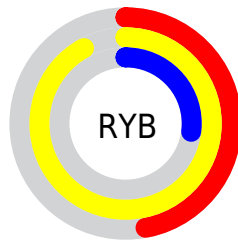
The Yxy color **57.5594, 0.4359, 0.4558** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **17.7432, 0.1868, 0.1464**, and the grayscale version is **53.7142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.3109, 0.3898, 0.4518**, and **28.7589, 0.4556, 0.4764** is the 20% darker color. If you saturate the color by 10%, you get **54.8994, 0.4499, 0.4638**, and if you desaturate by 10%, it is **60.4305, 0.4196, 0.4435**.

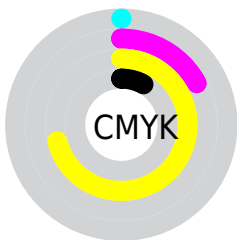
# Distribution



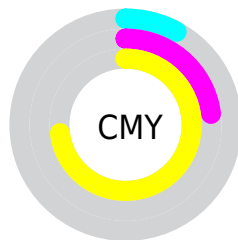
- Red (92%)
- Green (77%)
- Blue (27%)



- Red (47%)
- Yellow (92%)
- Blue (27%)



- Cyan (0%)
- Magenta (17%)
- Yellow (71%)
- Black (8%)



- Cyan (8%)
- Magenta (23%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.5594, 0.4359, 0.4558 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 57.5594, 0.4359, 0.4558 by changing the saturation by 10% instead.





 57.5594, 0.4359,  
0.4558

 57.5594, 0.4359,  
0.4558

415.5422, 0.3816,  
0.4002


 41.4545, 0.4463,  
0.4664


 101.2810, 0.4184,  
0.4380


 28.6744, 0.4578,  
0.4779


 129.6665, 0.4111,  
0.4305

 18.8347, 0.4698,  
0.4899


 162.9143, 0.4047,  
0.4239

 11.5509, 0.4845,  
0.5044

 201.4088, 0.3990,  
0.4181

 6.4386, 0.4905,  
0.5095

 245.5345, 0.3939,  
0.4129

 3.1136, 0.4914,  
0.5086

295.6757, 0.3894,

 1.1913, 0.4929,

0.4082

0.5071

352.2168, 0.3853,  
0.4040

■ 0.0546, 0.5713,  
0.4287

■ 0.0000, 0.0000,  
0.0000

■ 57.5594, 0.4359,  
0.4558

■ 57.5594, 0.4359,  
0.4558

■ 54.8994, 0.4499,  
0.4638

■ 60.4305, 0.4196,  
0.4435

■ 52.4265, 0.4609,  
0.4669

■ 63.5175, 0.4017,  
0.4277


■ 50.3557, 0.4685,  
0.4662


■ 66.8348, 0.3832,  
0.4095


■ 70.3930, 0.3647,  
0.3899

 74.2017, 0.3468,  
0.3699

 78.2697, 0.3300,  
0.3501

 82.6054, 0.3143,  
0.3310

 87.1520, 0.3006,  
0.3139

 90.4311, 0.3006,  
0.3194

# Harmonies

## Analogous

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



57.5594, 0.4785, 0.3981



57.5594, 0.4359, 0.4558



57.5594, 0.3639, 0.4882

# Triad

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



57.5594, 0.4359, 0.4558



57.5594, 0.1753, 0.2888



57.5594, 0.3252, 0.2329

# Complementary

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



57.5594, 0.4359, 0.4558



17.7432, 0.1868, 0.1464

# 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.



57.5594, 0.2453, 0.2061



57.5594, 0.4359, 0.4558



57.5594, 0.1687, 0.2289

# Square

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



57.5594, 0.4359, 0.4558



57.5594, 0.2142, 0.3792



57.5594, 0.1920, 0.2033



57.5594, 0.4128, 0.2789



# Rectangle

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



57.5594, 0.4359, 0.4558



57.5594, 0.3095, 0.4789



57.5594, 0.1920, 0.2033



57.5594, 0.2963, 0.2215

# Sweetspot

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



57.5622, 0.4359, 0.4558



89.2967, 0.3469, 0.3699



22.9178, 0.4948, 0.2898



18.8345, 0.3518, 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.



57.5622, 0.4359, 0.4558



64.7673, 0.4550, 0.4657



71.2100, 0.3760, 0.5070



16.9959, 0.3274, 0.3470



28.2273, 0.4676, 0.4669



2.3608, 0.4595, 0.4733



# Inverse Universe

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



17.7432, 0.1868, 0.1464



14.7603, 0.1680, 0.1106



13.4314, 0.2008, 0.1149



15.1198, 0.2980, 0.3104



5.0144, 0.1572, 0.0858



0.5375, 0.1643, 0.1113



# Previews

## White Background



This preview shows how the Yxy color 57.5594, 0.4359, 0.4558 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

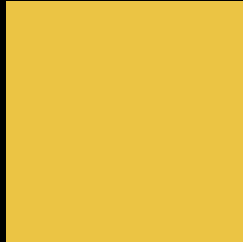
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.5594, 0.4359, 0.4558 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 57.5594, 0.4359, 0.4558**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.5594, 0.4359, 0.4558.



This preview shows how white text looks on a background with the Yxy color 57.5594, 0.4359, 0.4558.

# 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

57.5594, 0.4359, 0.4558

### Protanopia

57.5855, 0.4230, 0.4643

### Deuteranopia

57.5931, 0.4522, 0.4419



## Tritanopia

57.3107, 0.3544, 0.3141

# Trichromacy



## Original Color

57.5594, 0.4359, 0.4558

## Protanomaly

57.7705, 0.4272, 0.4613

## Deuteranomaly

57.5414, 0.4470, 0.4467

## Tritanomaly

56.8692, 0.3898, 0.3709

# Monochromacy



## Original Color

57.5594, 0.4359, 0.4558

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

54.1316, 0.3603, 0.3851

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.5594, 0.4359, 0.4558 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(235, 196, 68)` looks like.

```
.text, #text, p{  
    color:rgb(235, 196, 68)  
}
```

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(235, 196, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 196, 68) }
```

## Border

The CSS property to change the border of an element to Yxy 57.5594, 0.4359, 0.4558 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(235, 196, 68) }
```

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

```
.border{ border-color:rgb(235, 196, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 196, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 196, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 196, 68);  
box-shadow:4px 4px 4px 4px rgb(235, 196,  
68) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.5594, 0.4359, 0.4558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 196, 68) }
```

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

```
.background{ background-color: rgb(235,  
196, 68) }
```

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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