

# Converting Colors

$Y_{xy}(57.3230, 0.4442, 0.4470)$

Have a look what the booklet for  
Yxy(57.3230, 0.4442, 0.4470)  
contains.

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# Color

**Yxy(57.2089, 0.4444, 0.4464)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3C047
RGB	243, 192, 71
RGB Percent	95%, 75%, 28%
CMY	0.0470, 0.2471, 0.7217
CMYK	0.00, 0.21, 0.71, 0.05
HSL	42°, 88%, 62%
HSV	42°, 71%, 95%
XYZ	56.9526, 57.2089, 13.9947
YIQ	193.4550, 69.2370, -26.8190

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">143, 243, 71</a>
Decimal	<a href="#">15974471</a>
CIELab	<a href="#">80.30, 6.46, 65.10</a>
CIELCh	<a href="#">80, 65.416, 84.335</a>
Yxy	<a href="#">57.2089, 0.4444, 0.4464</a>
Android (android.graphics.Color)	<a href="#">4294164551 (0xFFFF3C047)</a>
YUV	<a href="#">193.4550, -60.3703, 43.4510</a>
Hunter-Lab	<a href="#">75.6366, 2.0424, 41.9755</a>

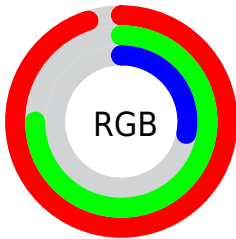
# Details

The Yxy color **57.2089, 0.4444, 0.4464** is a light color, and the websafe version is hex **FFCC66**.

The color can be described as light washed yellow. A complement of this color would be **21.7237, 0.1905, 0.1608**, and the grayscale version is **53.9424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9012, 0.3901, 0.4463**, and **28.5347, 0.4691, 0.4653** is the 20% darker color. If you saturate the color by 10%, you get **53.8724, 0.4610, 0.4534**, and if you desaturate by 10%, it is **60.8306, 0.4256, 0.4350**.

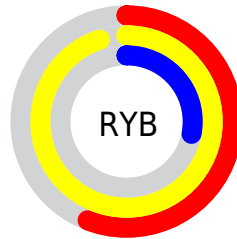
# Distribution



Red (95%)

Green (75%)

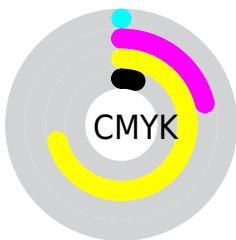
Blue (28%)



Red (56%)

Yellow (95%)

Blue (28%)

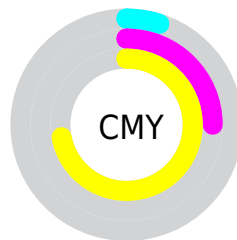


Cyan (0%)

Magenta (21%)

Yellow (71%)

Black (5%)



Cyan (5%)

Magenta (25%)


Yellow (72%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.2089, 0.4444, 0.4464 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 57.2089, 0.4444, 0.4464 by changing the saturation by 10% instead.




 57.2089, 0.4444,  
0.4464


 57.2089, 0.4444,  
0.4464


414.2316, 0.3855,  
0.3960

 41.1730, 0.4560,  
0.4557


 100.7699, 0.4252,  
0.4305

 28.4543, 0.4691,  
0.4656

 129.0638, 0.4173,  
0.4238


 18.6684, 0.4832,  
0.4755


 162.2125, 0.4103,  
0.4178

 11.4309, 0.5004,  
0.4866

 200.6004, 0.4042,  
0.4124

 6.3575, 0.5112,  
0.4888

 244.6119, 0.3987,  
0.4077

 3.0636, 0.5176,  
0.4824

294.6313, 0.3938,

 1.1650, 0.5288,

0.4034

0.4712

351.0431, 0.3894,  
0.3995

0.0329, 0.8517,  
0.1483

0.0000, 0.0000,  
0.0000

57.2089, 0.4444,  
0.4464

57.2089, 0.4444,  
0.4464

53.8724, 0.4610,  
0.4534

60.8306, 0.4256,  
0.4350

50.7946, 0.4748,  
0.4554


64.7445, 0.4056,  
0.4202


48.1685, 0.4848,  
0.4532


68.9671, 0.3855,  
0.4031

73.5109, 0.3658,  
0.3849

 78.3872, 0.3471,  
0.3662

 83.6068, 0.3298,  
0.3479

 89.1798, 0.3139,  
0.3304

 94.4293, 0.3055,  
0.3238

 97.7977, 0.3054,  
0.3290

# Harmonies

## Analogous

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



57.2089, 0.4797, 0.3877



57.2089, 0.4444, 0.4464



57.2089, 0.3765, 0.4845

# Triad

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



57.2089, 0.4444, 0.4464



57.2089, 0.1805, 0.3024



57.2089, 0.3108, 0.2278

# Complementary

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



57.2089, 0.4444, 0.4464



21.7237, 0.1905, 0.1608

# 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.



57.2089, 0.2352, 0.2049



57.2089, 0.4444, 0.4464



57.2089, 0.1688, 0.2372

# Square

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



57.2089, 0.4444, 0.4464



57.2089, 0.2246, 0.3943



57.2089, 0.1872, 0.2064



57.2089, 0.3985, 0.2708



# Rectangle

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



57.2089, 0.4444, 0.4464



57.2089, 0.3231, 0.4824



57.2089, 0.1872, 0.2064



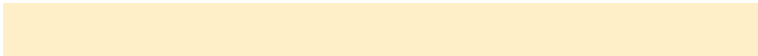
57.2089, 0.2831, 0.2177

# Sweetspot

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



57.2117, 0.4444, 0.4464



87.3026, 0.3475, 0.3667



24.9787, 0.4810, 0.2809



18.3565, 0.3526, 0.3719



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.



57.2117, 0.4444, 0.4464



58.5461, 0.4675, 0.4549



78.0638, 0.3822, 0.5026



18.4353, 0.3276, 0.3456



26.6783, 0.4835, 0.4543



2.5230, 0.4735, 0.4622



# Inverse Universe

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



21.7237, 0.1905, 0.1608



17.2418, 0.1720, 0.1253



13.9994, 0.1951, 0.1124



16.7275, 0.2980, 0.3119



6.3025, 0.1608, 0.0988



0.7253, 0.1675, 0.1231



# Previews

## White Background



This preview shows how the Yxy color 57.2089, 0.4444, 0.4464 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 57.2089, 0.4444, 0.4464 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 57.2089, 0.4444, 0.4464**

## Background



This preview shows how black text looks on a background with the Yxy color 57.2089, 0.4444, 0.4464.



This preview shows how white text looks on a background with the Yxy color 57.2089, 0.4444, 0.4464.

# 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

57.2089, 0.4444, 0.4464

### Protanopia

57.4776, 0.4203, 0.4620

### Deuteranopia

57.0028, 0.4513, 0.4402



## Tritanopia

57.2330, 0.3637, 0.3144

# Trichromacy



**Original Color**

57.2089, 0.4444, 0.4464

**Protanomaly**

57.2234, 0.4290, 0.4566

**Deuteranomaly**

57.0689, 0.4488, 0.4420

**Tritanomaly**

56.5906, 0.3994, 0.3667

# Monochromacy



**Original Color**

57.2089, 0.4444, 0.4464

**Achromatopsia**

53.3276, 0.3127, 0.3290

**Achromatomaly**

54.1587, 0.3625, 0.3822

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.2089, 0.4444, 0.4464 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, 192, 71)` looks like.

```
.text, #text, p{  
    color:rgb(243, 192, 71)  
}
```

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, 192, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 192, 71) }
```

## Border

The CSS property to change the border of an element to Yxy 57.2089, 0.4444, 0.4464 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, 192, 71) }
```

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

```
.border{ border-color:rgb(243, 192, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 192, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 192, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 192, 71);  
box-shadow:4px 4px 4px 4px rgb(243, 192,  
71) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.2089, 0.4444, 0.4464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 192, 71) }
```

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

```
.background{ background-color: rgb(243,  
192, 71) }
```

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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