

# Converting Colors

Yxy(64.0420, 0.4384, 0.4387)

Have a look what the booklet for  
Yxy(64.0420, 0.4384, 0.4387)  
contains.

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# Color

**Yxy(64.1892, 0.4380, 0.4388)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCA57
RGB	255, 202, 87
RGB Percent	100%, 79%, 34%
CMY	0.0001, 0.2078, 0.6589
CMYK	0.00, 0.21, 0.66, 0.00
HSL	41°, 100%, 67%
HSV	41°, 66%, 100%
XYZ	64.0722, 64.1892, 18.0221
YIQ	204.7370, 68.5030, -24.5290

# Conversions

## Conversions Part 2

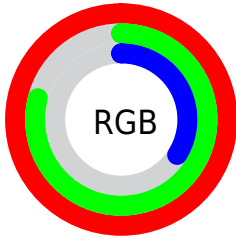
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 255, 87
Decimal	16763479
CIELab	84.06, 7.10, 62.71
CIELCh	84, 63.114, 83.542
Yxy	64.1892, 0.4380, 0.4388
Android (android.graphics.Color)	4294953559 (0xFFFFCA57)
YUV	204.7370, -58.0443, 44.0807
Hunter-Lab	80.1182, 2.5434, 42.7458

# Details

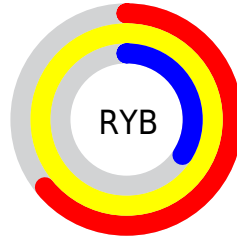
The Yxy color **64.1892, 0.4380, 0.4388** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **27.9760, 0.1988, 0.1775**, and the grayscale version is **61.2165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7031, 0.3793, 0.4391**, and **32.7429, 0.4618, 0.4572** is the 20% darker color. If you saturate the color by 10%, you get **60.1726, 0.4566, 0.4477**, and if you desaturate by 10%, it is **68.5555, 0.4178, 0.4259**.

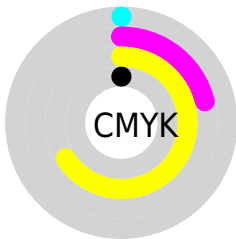
# Distribution



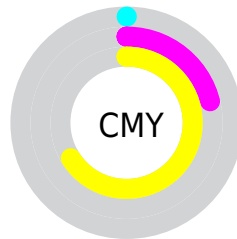
- Red (100%)
- Green (79%)
- Blue (34%)



- Red (64%)
- Yellow (100%)
- Blue (34%)



- Cyan (0%)
- Magenta (21%)
- Yellow (66%)
- Black (0%)




- Cyan (0%)
- Magenta (21%)
- Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1892, 0.4380, 0.4388 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 64.1892, 0.4380, 0.4388 by changing the saturation by 10% instead.




 64.1892, 0.4380,  
0.4388


 64.1892, 0.4380,  
0.4388


439.8726, 0.3823,  
0.3920


 46.8039, 0.4492,  
0.4476

 110.8834, 0.4197,  
0.4239


 32.8807, 0.4619,  
0.4572


 140.9611, 0.4123,  
0.4177

 22.0351, 0.4762,  
0.4673


 176.0383, 0.4057,  
0.4122

 13.8827, 0.4914,  
0.4767

 216.4996, 0.3999,  
0.4072

 8.0391, 0.5116,  
0.4884

262.7293, 0.3948,  
0.4028

 4.1200, 0.5175,  
0.4825

315.1117, 0.3902,

 1.7409, 0.5273,

0.3988

0.4727

374.0314, 0.3861,  
0.3952

0.4499, 0.5718,  
0.4282

0.0000, 0.0000,  
0.0000

64.1892, 0.4380,  
0.4388

64.1892, 0.4380,  
0.4388

60.1726, 0.4566,  
0.4477

68.5555, 0.4178,  
0.4259

56.4771, 0.4727,  
0.4517

73.2791, 0.3970,  
0.4102

53.0826, 0.4855,  
0.4506

78.3781, 0.3765,  
0.3928

51.7621, 0.4901,  
0.4491

83.8664, 0.3569,  
0.3747

■ 89.7570, 0.3386,  
0.3565

■ 96.0620, 0.3218,  
0.3390

99.9946, 0.3127,  
0.3290

# Harmonies

## Analogous

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



64.1892, 0.4689, 0.3841



64.1892, 0.4380, 0.4388



64.1892, 0.3755, 0.4733

# Triad

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



64.1892, 0.4380, 0.4388



64.1892, 0.1895, 0.3071



64.1892, 0.3092, 0.2330

# Complementary

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



64.1892, 0.4380, 0.4388



27.9760, 0.1988, 0.1775

# 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.



64.1892, 0.2388, 0.2119



64.1892, 0.4380, 0.4388



64.1892, 0.1771, 0.2449

# Square

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



64.1892, 0.4380, 0.4388



64.1892, 0.2324, 0.3917



64.1892, 0.1939, 0.2144



64.1892, 0.3905, 0.2734



# Rectangle

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



64.1892, 0.4380, 0.4388



64.1892, 0.3255, 0.4710



64.1892, 0.1939, 0.2144



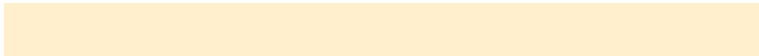
64.1892, 0.2835, 0.2236

# Sweetspot

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



64.1923, 0.4380, 0.4388



87.3090, 0.3459, 0.3639



29.9644, 0.4598, 0.2790



18.3345, 0.3511, 0.3690



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.



64.1923, 0.4380, 0.4388



59.0046, 0.4619, 0.4495



88.0642, 0.3819, 0.4927



20.0682, 0.3277, 0.3452



27.3334, 0.4886, 0.4503



2.8575, 0.4787, 0.4581



# Inverse Universe

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



27.9760, 0.1988, 0.1775



20.7248, 0.1801, 0.1440



17.8649, 0.2017, 0.1247



18.3119, 0.2979, 0.3122



7.0337, 0.1620, 0.1030



0.8709, 0.1681, 0.1251



# Previews

## White Background



This preview shows how the Yxy color 64.1892, 0.4380, 0.4388 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 64.1892, 0.4380, 0.4388 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 64.1892, 0.4380, 0.4388**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.1892, 0.4380, 0.4388.



This preview shows how white text looks on a background with the Yxy color 64.1892, 0.4380, 0.4388.

# 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

64.1892, 0.4380, 0.4388

### Protanopia

64.1381, 0.4136, 0.4538

### Deuteranopia

64.2031, 0.4237, 0.4181



## Tritanopia

64.2514, 0.3539, 0.3178

# Trichromacy



## Original Color

64.1892, 0.4380, 0.4388

## Protanomaly

64.0310, 0.4226, 0.4484

## Deuteranomaly

64.0126, 0.4294, 0.4257

## Tritanomaly

63.8011, 0.3882, 0.3657

# Monochromacy



## Original Color

64.1892, 0.4380, 0.4388

## Achromatopsia

61.0496, 0.3127, 0.3290

## Achromatomaly

61.4823, 0.3592, 0.3772

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  64.1892, 0.4380, 0.4388 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(255, 202, 87)` looks like.

```
.text, #text, p{  
  color:rgb(255, 202, 87)  
}
```

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(255, 202, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 87) }
```

## Border

The CSS property to change the border of an element to Yxy 64.1892, 0.4380, 0.4388 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(255, 202, 87) }
```

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

```
.border{ border-color:rgb(255, 202, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 202, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
87) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.1892, 0.4380, 0.4388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 87) }
```

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

```
.background{ background-color: rgb(255,  
202, 87) }
```

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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