

# Converting Colors

$Yxy(60.6766, 0.4427, 0.4276)$

Have a look what the booklet for  
Yxy(60.6766, 0.4427, 0.4276)  
contains.

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# Color

**Yxy(60.5989, 0.4417, 0.4288)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC25B
RGB	255, 194, 91
RGB Percent	100%, 76%, 36%
CMY	0.0000, 0.2392, 0.6432
CMYK	0.00, 0.24, 0.64, 0.00
HSL	38°, 100%, 68%
HSV	38°, 64%, 100%
XYZ	62.4220, 60.5989, 18.3012
YIQ	200.4970, 69.4190, -19.1010

# Conversions

## Conversions Part 2

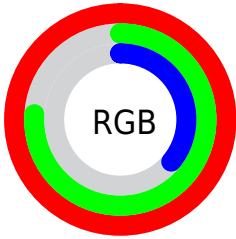
Format	Color
<a href="#">RYB</a>	<a href="#">188, 255, 91</a>
Decimal	<a href="#">16761435</a>
CIELab	<a href="#">82.16, 11.50, 58.87</a>
CIELCh	<a href="#">82, 59.984, 78.948</a>
Yxy	<a href="#">60.5989, 0.4417, 0.4288</a>
Android (android.graphics.Color)	<a href="#">4294951515</a> (0xFFFFC25B)
YUV	<a href="#">200.4970, -53.9820, 47.7991</a>
Hunter-Lab	<a href="#">77.8453, 6.9049, 40.5528</a>

# Details

The Yxy color **60.5989, 0.4417, 0.4288** 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 **31.8954, 0.2042, 0.1939**, and the grayscale version is **58.3890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6755, 0.3791, 0.4315**, and **30.6527, 0.4671, 0.4460** is the 20% darker color. If you saturate the color by 10%, you get **56.1449, 0.4631, 0.4373**, and if you desaturate by 10%, it is **65.4748, 0.4191, 0.4165**.

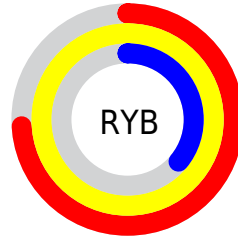
# Distribution



Red (100%)

Green (76%)

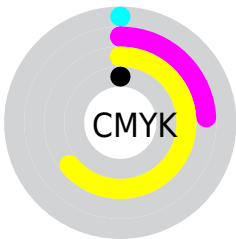
Blue (36%)



Red (74%)

Yellow (100%)

Blue (36%)

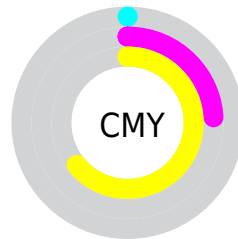


Cyan (0%)

Magenta (24%)

Yellow (64%)

Black (0%)



Cyan (0%)

Magenta (24%)


Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.5989, 0.4417, 0.4288 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 60.5989, 0.4417, 0.4288 by changing the saturation by 10% instead.





 60.5989, 0.4417,  
0.4288


 60.5989, 0.4417,  
0.4288


426.8018, 0.3830,  
0.3863

 43.9015, 0.4539,  
0.4367


 105.6980, 0.4221,  
0.4153

 30.5931, 0.4681,  
0.4453


 134.8685, 0.4142,  
0.4097

 20.2892, 0.4844,  
0.4542


 168.9655, 0.4073,  
0.4047

 12.6055, 0.5025,  
0.4621

 208.3733, 0.4013,  
0.4002

 7.1574, 0.5277,  
0.4723

253.4765, 0.3959,  
0.3961

 3.5607, 0.5379,  
0.4621

304.6594, 0.3911,

 1.4310, 0.5550,

0.3925

0.4450

362.3064, 0.3869,  
0.3893

0.2394, 0.6798,  
0.3202

0.0000, 0.0000,  
0.0000

60.5989, 0.4417,  
0.4288

60.5989, 0.4417,  
0.4288

56.1449, 0.4631,  
0.4373

65.4748, 0.4191,  
0.4165

52.0873, 0.4823,  
0.4410

70.7865, 0.3966,  
0.4016

48.4033, 0.4981,  
0.4394

76.5524, 0.3749,  
0.3853

46.4587, 0.5059,  
0.4365

82.7881, 0.3547,  
0.3684

■ 89.5081, 0.3361,  
0.3517

■ 96.7261, 0.3194,  
0.3357

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



60.5989, 0.4650, 0.3746



60.5989, 0.4417, 0.4288



60.5989, 0.3847, 0.4662

# Triad

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



60.5989, 0.4417, 0.4288



60.5989, 0.1974, 0.3198



60.5989, 0.2978, 0.2310

# Complementary

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



60.5989, 0.4417, 0.4288



31.8954, 0.2042, 0.1939

# 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.



60.5989, 0.2325, 0.2137



60.5989, 0.4417, 0.4288



60.5989, 0.1806, 0.2548

# Square

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



60.5989, 0.4417, 0.4288



60.5989, 0.2437, 0.4019



60.5989, 0.1927, 0.2202



60.5989, 0.3766, 0.2680



# Rectangle

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



60.5989, 0.4417, 0.4288



60.5989, 0.3369, 0.4690



60.5989, 0.1927, 0.2202



60.5989, 0.2736, 0.2228

# Sweetspot

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



60.6004, 0.4417, 0.4288



86.3005, 0.3446, 0.3595



31.0688, 0.4391, 0.2685



18.0638, 0.3500, 0.3643



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.



60.6004, 0.4417, 0.4288



55.0185, 0.4685, 0.4388



90.0850, 0.3887, 0.4850



19.8886, 0.3278, 0.3439



24.5714, 0.5041, 0.4380



2.6020, 0.4918, 0.4477



# Inverse Universe

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



31.8954, 0.2042, 0.1939



24.5532, 0.1864, 0.1632



18.0233, 0.1977, 0.1262



18.4843, 0.2979, 0.3136



8.2952, 0.1661, 0.1178



1.0087, 0.1723, 0.1403



# Previews

## White Background



This preview shows how the Yxy color 60.5989, 0.4417, 0.4288 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 60.5989, 0.4417, 0.4288 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 60.5989, 0.4417, 0.4288**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.5989, 0.4417, 0.4288.



This preview shows how white text looks on a background with the Yxy color 60.5989, 0.4417, 0.4288.

# 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

60.5989, 0.4417, 0.4288

### Protanopia

60.8017, 0.4091, 0.4480

### Deuteranopia

60.6682, 0.4393, 0.4305



## Tritanopia

60.4550, 0.3614, 0.3167

# Trichromacy



## Original Color

60.5989, 0.4417, 0.4288

## Protanomaly

60.5681, 0.4207, 0.4410

## Deuteranomaly

60.8564, 0.4401, 0.4301

## Tritanomaly

60.1584, 0.3938, 0.3607

# Monochromacy



## Original Color

60.5989, 0.4417, 0.4288

## Achromatopsia

57.7580, 0.3127, 0.3290

## Achromatomaly

58.1419, 0.3600, 0.3734

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.5989, 0.4417, 0.4288 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, 194, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 91)  
}
```

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, 194, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 91) }
```

## Border

The CSS property to change the border of an element to Yxy 60.5989, 0.4417, 0.4288 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, 194, 91) }
```

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

```
.border{ border-color:rgb(255, 194, 91) }
```

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

Here you see how a box with a 4 pixel rgb(255, 194, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
91) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.5989, 0.4417, 0.4288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 91) }
```

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

```
.background{ background-color: rgb(255,  
194, 91) }
```

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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