

# Converting Colors

$Y_{xy}(100.0000, 0.5317, 0.3839)$

Have a look what the booklet for  
Yxy(100.0000, 0.5317, 0.3839)  
contains.

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# Color

**Yxy(61.0455, 0.4409, 0.4297)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC35B
RGB	255, 195, 91
RGB Percent	100%, 76%, 36%
CMY	0.0001, 0.2352, 0.6431
CMYK	0.00, 0.24, 0.64, 0.00
HSL	38°, 100%, 68%
HSV	38°, 64%, 100%
XYZ	62.6366, 61.0455, 18.3833
YIQ	201.0840, 69.1440, -19.6240

# Conversions

## Conversions Part 2

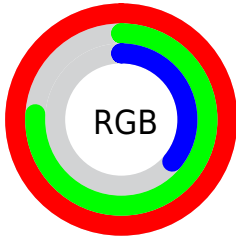
Format	Color
<b>RYB</b>	186, 255, 91
Decimal	16761691
CIELab	82.40, 10.96, 59.12
CIELCh	82, 60.128, 79.498
Yxy	61.0455, 0.4409, 0.4297
Android (android.graphics.Color)	4294951771 (0xFFFFC35B)
YUV	201.0840, -54.2714, 47.2843
Hunter-Lab	78.1316, 6.3697, 40.7420

# Details

The Yxy color **61.0455, 0.4409, 0.4297** 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 **31.5689, 0.2039, 0.1926**, and the grayscale version is **58.7764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2987, 0.3787, 0.4323**, and **30.9489, 0.4659, 0.4471** is the 20% darker color. If you saturate the color by 10%, you get **56.6313, 0.4621, 0.4384**, and if you desaturate by 10%, it is **65.8760, 0.4186, 0.4173**.

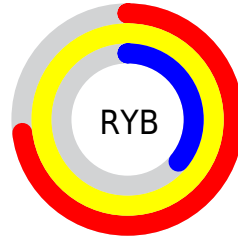
# Distribution



Red (100%)

Green (76%)

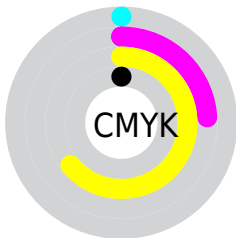
Blue (36%)



Red (73%)

Yellow (100%)

Blue (36%)

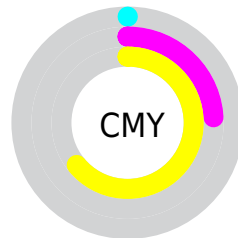


Cyan (0%)

Magenta (24%)

Yellow (64%)

Black (0%)



Cyan (0%)

Magenta (24%)


Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.0455, 0.4409, 0.4297 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 61.0455, 0.4409, 0.4297 by changing the saturation by 10% instead.




 61.0455, 0.4409,  
0.4297

 61.0455, 0.4409,  
0.4297

428.4408, 0.3827,  
0.3868


 44.2619, 0.4530,  
0.4377

 106.3448, 0.4215,  
0.4161


 30.8764, 0.4670,  
0.4464


 135.6293, 0.4137,  
0.4104

 20.5048, 0.4830,  
0.4555


 169.8495, 0.4068,  
0.4053

 12.7625, 0.5008,  
0.4637

 209.3899, 0.4008,  
0.4008

 7.2652, 0.5257,  
0.4743

254.6349, 0.3955,  
0.3967

 3.6285, 0.5353,  
0.4647

305.9687, 0.3908,

 1.4680, 0.5514,

0.3931

0.4486

363.7759, 0.3865,  
0.3898

0.2660, 0.6617,  
0.3383

0.0000, 0.0000,  
0.0000

61.0455, 0.4409,  
0.4297

61.0455, 0.4409,  
0.4297

56.6313, 0.4621,  
0.4384

65.8760, 0.4186,  
0.4173

52.6039, 0.4809,  
0.4422

71.1322, 0.3963,  
0.4022

48.9420, 0.4965,  
0.4407

76.8335, 0.3747,  
0.3858

47.0012, 0.5041,  
0.4379

82.9953, 0.3546,  
0.3688

■ 89.6319, 0.3361,  
0.3519

■ 96.7569, 0.3194,  
0.3357

99.9947, 0.3127,  
0.3290

# Harmonies

## Analogous

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



61.0455, 0.4650, 0.3756



61.0455, 0.4409, 0.4297



61.0455, 0.3834, 0.4666

# Triad

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



61.0455, 0.4409, 0.4297



61.0455, 0.1968, 0.3184



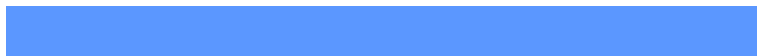
61.0455, 0.2992, 0.2315

# Complementary

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



61.0455, 0.4409, 0.4297



31.5689, 0.2039, 0.1926

# 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.



61.0455, 0.2334, 0.2138



61.0455, 0.4409, 0.4297



61.0455, 0.1806, 0.2539

# Square

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



61.0455, 0.4409, 0.4297



61.0455, 0.2426, 0.4005



61.0455, 0.1932, 0.2199



61.0455, 0.3780, 0.2688



# Rectangle

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



61.0455, 0.4409, 0.4297



61.0455, 0.3355, 0.4687



61.0455, 0.1932, 0.2199



61.0455, 0.2749, 0.2232

# Sweetspot

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



61.0485, 0.4409, 0.4297



86.4751, 0.3445, 0.3598



30.9793, 0.4428, 0.2713



18.1062, 0.3499, 0.3646



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.



61.0485, 0.4409, 0.4297



55.5206, 0.4674, 0.4399



89.6005, 0.3867, 0.4861



19.9082, 0.3278, 0.3440



24.8596, 0.5023, 0.4393



2.6289, 0.4903, 0.4489



# Inverse Universe

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



31.5689, 0.2039, 0.1926



24.2251, 0.1859, 0.1616



18.2068, 0.1993, 0.1270



18.4653, 0.2979, 0.3135



8.1451, 0.1656, 0.1161



0.9926, 0.1718, 0.1386



# Previews

## White Background



This preview shows how the Yxy color 61.0455, 0.4409, 0.4297 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 61.0455, 0.4409, 0.4297 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 61.0455, 0.4409, 0.4297**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.0455, 0.4409, 0.4297.



This preview shows how white text looks on a background with the Yxy color 61.0455, 0.4409, 0.4297.

# 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

61.0455, 0.4409, 0.4297

### Protanopia

61.4447, 0.4093, 0.4484

### Deuteranopia

60.8564, 0.4401, 0.4301



## Tritanopia

60.9242, 0.3603, 0.3167

# Trichromacy



## Original Color

61.0455, 0.4409, 0.4297

## Protanomaly

61.2085, 0.4209, 0.4414

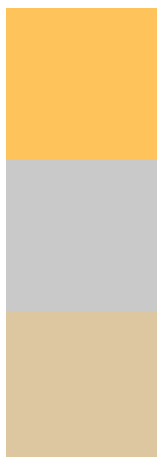
## Deuteranomaly

60.8564, 0.4401, 0.4301

## Tritanomaly

60.6250, 0.3926, 0.3606

# Monochromacy



## Original Color

61.0455, 0.4409, 0.4297

## Achromatopsia

58.4078, 0.3127, 0.3290

## Achromatomaly

58.7922, 0.3597, 0.3732

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.0455, 0.4409, 0.4297 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, 195, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 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, 195, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 91) }
```

## Border

The CSS property to change the border of an element to Yxy 61.0455, 0.4409, 0.4297 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, 195, 91) }
```

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

```
.border{ border-color:rgb(255, 195, 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, 195, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
91) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.0455, 0.4409, 0.4297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 195, 91) }
```

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

```
.background{ background-color: rgb(255,  
195, 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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