

# Converting Colors

$Y_{xy}(70.3476, 0.4465, 0.4283)$

Have a look what the booklet for  
Yxy(70.3476, 0.4465, 0.4283)  
contains.

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# Color

**Yxy(66.2288, 0.4308, 0.4364)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCE5F
RGB	255, 206, 95
RGB Percent	100%, 81%, 37%
CMY	0.0000, 0.1921, 0.6276
CMYK	0.00, 0.19, 0.63, 0.00
HSL	42°, 100%, 69%
HSV	42°, 63%, 100%
XYZ	65.3789, 66.2288, 20.1540
YIQ	207.9970, 64.8350, -24.1330

# Conversions

## Conversions Part 2

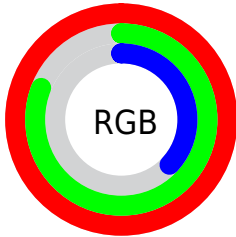
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	166, 255, 95
Decimal	16764511
CIE <sub>Lab</sub>	85.11, 5.54, 60.35
CIE <sub>LCh</sub>	85, 60.606, 84.757
Yxy	66.2288, 0.4308, 0.4364
Android (android.graphics.Color)	4294954591 (0xFFFFCE5F)
YUV	207.9970, -55.7075, 41.2216
Hunter-Lab	81.3811, 0.9843, 42.2836

# Details

The Yxy color **66.2288, 0.4308, 0.4364** 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 **29.5845, 0.2034, 0.1839**, and the grayscale version is **63.4086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9499, 0.3750, 0.4320**, and **34.2118, 0.4540, 0.4553** is the 20% darker color. If you saturate the color by 10%, you get **62.1733, 0.4496, 0.4468**, and if you desaturate by 10%, it is **70.6243, 0.4106, 0.4224**.

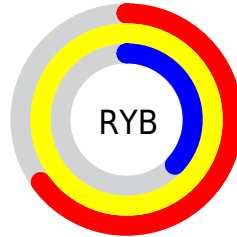
# Distribution



Red (100%)

Green (81%)

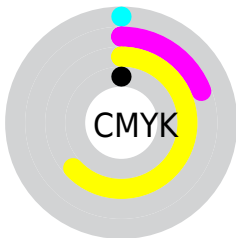
Blue (37%)



Red (65%)

Yellow (100%)

Blue (37%)

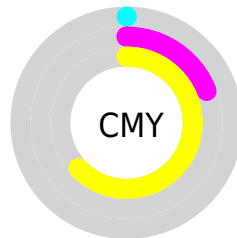


Cyan (0%)

Magenta (19%)

Yellow (63%)

Black (0%)



Cyan (0%)

Magenta (19%)


Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.2288, 0.4308, 0.4364 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 66.2288, 0.4308, 0.4364 by changing the saturation by 10% instead.




 66.2288, 0.4308,  
0.4364


 66.2288, 0.4308,  
0.4364


447.1947, 0.3783,  
0.3901


 48.4582, 0.4414,  
0.4453


 113.8147, 0.4135,  
0.4215


 34.1899, 0.4536,  
0.4553


 144.3987, 0.4065,  
0.4154

 23.0395, 0.4675,  
0.4661

 180.0226, 0.4003,  
0.4099

 14.6227, 0.4825,  
0.4770

 221.0708, 0.3949,  
0.4050

 8.5550, 0.5055,  
0.4937

267.9278, 0.3901,  
0.4007

 4.4521, 0.5104,  
0.4896

320.9778, 0.3857,

 1.9295, 0.5176,

0.3968

0.4824

380.6053, 0.3818,  
0.3933

0.5660, 0.5432,  
0.4568

0.0000, 0.0000,  
0.0000

66.2288, 0.4308,  
0.4364

66.2288, 0.4308,  
0.4364

62.1733, 0.4496,  
0.4468

70.6243, 0.4106,  
0.4224

58.4373, 0.4662,  
0.4526

75.3734, 0.3901,  
0.4058

55.0000, 0.4796,  
0.4533

80.4914, 0.3700,  
0.3879

52.6767, 0.4876,  
0.4510

85.9916, 0.3509,  
0.3695

 91.8864, 0.3331,  
0.3512

 98.1875, 0.3169,  
0.3337

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.



66.2288, 0.4612, 0.3849



66.2288, 0.4308, 0.4364



66.2288, 0.3705, 0.4667

# Triad

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



66.2288, 0.4308, 0.4364



66.2288, 0.1938, 0.3057



66.2288, 0.3127, 0.2383

# Complementary

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



66.2288, 0.4308, 0.4364



29.5845, 0.2034, 0.1839

# 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.



66.2288, 0.2445, 0.2171



66.2288, 0.4308, 0.4364



66.2288, 0.1829, 0.2473

# Square

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



66.2288, 0.4308, 0.4364



66.2288, 0.2341, 0.3852



66.2288, 0.2001, 0.2188



66.2288, 0.3898, 0.2779



# Rectangle

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



66.2288, 0.4308, 0.4364



66.2288, 0.3226, 0.4623



66.2288, 0.2001, 0.2188



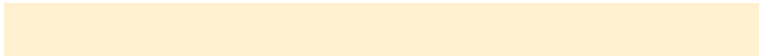
66.2288, 0.2879, 0.2289

# Sweetspot

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



66.2296, 0.4308, 0.4364



88.1614, 0.3440, 0.3626



31.5015, 0.4490, 0.2801



18.5158, 0.3492, 0.3678



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.



66.2296, 0.4308, 0.4364



61.3095, 0.4536, 0.4485



88.4593, 0.3800, 0.4866



20.0969, 0.3277, 0.3454



27.8012, 0.4862, 0.4521



2.9004, 0.4767, 0.4597



# Inverse Universe

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



29.5845, 0.2034, 0.1839



22.2950, 0.1848, 0.1517



19.7049, 0.2074, 0.1340



18.2846, 0.2979, 0.3120



6.8547, 0.1613, 0.1008



0.8508, 0.1675, 0.1228



# Previews

## White Background



This preview shows how the Yxy color 66.2288, 0.4308, 0.4364 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 66.2288, 0.4308, 0.4364 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 66.2288, 0.4308, 0.4364**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.2288, 0.4308, 0.4364.



This preview shows how white text looks on a background with the Yxy color 66.2288, 0.4308, 0.4364.

# 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

66.2288, 0.4308, 0.4364

### Protanopia

66.2844, 0.4098, 0.4487

### Deuteranopia

66.0042, 0.4109, 0.4065



## Tritanopia

66.3013, 0.3491, 0.3168

# Trichromacy



**Original Color**

66.2288, 0.4308, 0.4364

**Protanomaly**

65.9924, 0.4179, 0.4440

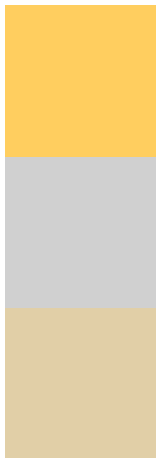
**Deuteranomaly**

66.1836, 0.4186, 0.4183

**Tritanomaly**

65.8604, 0.3819, 0.3635

# Monochromacy



**Original Color**

66.2288, 0.4308, 0.4364

**Achromatopsia**

63.0757, 0.3127, 0.3290

**Achromatomaly**

63.4232, 0.3562, 0.3744

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.2288, 0.4308, 0.4364 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, 206, 95)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 95)  
}
```

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, 206, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 95) }
```

## Border

The CSS property to change the border of an element to Yxy 66.2288, 0.4308, 0.4364 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, 206, 95) }
```

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

```
.border{ border-color:rgb(255, 206, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 95);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
95) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.2288, 0.4308, 0.4364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 95) }
```

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

```
.background{ background-color: rgb(255,  
206, 95) }
```

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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