

# Converting Colors

$Yxy(67.9971, 0.4283, 0.4395)$

Have a look what the booklet for  
Yxy(67.9971, 0.4283, 0.4395)  
contains.

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# Color

**Yxy(68.1794, 0.4280, 0.4398)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD25F
RGB	255, 210, 95
RGB Percent	100%, 82%, 37%
CMY	0.0000, 0.1764, 0.6274
CMYK	0.00, 0.18, 0.63, 0.00
HSL	43°, 100%, 69%
HSV	43°, 63%, 100%
XYZ	66.3501, 68.1794, 20.4941
YIQ	210.3450, 63.7350, -26.2250

# Conversions

## Conversions Part 2

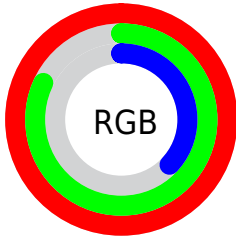
Format	Color
R <sub>Y</sub> B	158, 255, 95
Decimal	16765535
CIE Lab	86.10, 3.48, 61.41
CIE LCh	86, 61.508, 86.761
Yxy	68.1794, 0.4280, 0.4398
Android (android.graphics.Color)	4294955615 (0xFFFFD25F)
YUV	210.3450, -56.8651, 39.1624
Hunter-Lab	82.5708, -1.0645, 43.0838

# Details

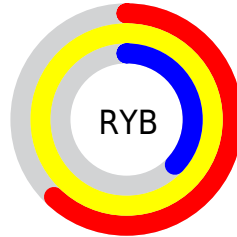
The Yxy color **68.1794, 0.4280, 0.4398** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **28.4104, 0.2023, 0.1787**, and the grayscale version is **65.0400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9499, 0.3750, 0.4320**, and **35.5322, 0.4497, 0.4594** is the 20% darker color. If you saturate the color by 10%, you get **64.3306, 0.4458, 0.4506**, and if you desaturate by 10%, it is **72.3452, 0.4087, 0.4253**.

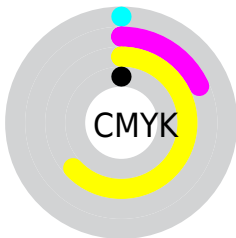
# Distribution



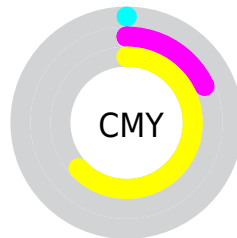
- Red (100%)
- Green (82%)
- Blue (37%)



- Red (62%)
- Yellow (100%)
- Blue (37%)



- Cyan (0%)
- Magenta (18%)
- Yellow (63%)
- Black (0%)




- Cyan (0%)
- Magenta (18%)
- Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1794, 0.4280, 0.4398 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 68.1794, 0.4280, 0.4398 by changing the saturation by 10% instead.



 68.1794, 0.4280,  
0.4398

 68.1794, 0.4280,  
0.4398


454.1314, 0.3773,  
0.3920


 50.0437, 0.4381,  
0.4491


 116.6088, 0.4114,  
0.4244


 35.4481, 0.4497,  
0.4595


 147.6712, 0.4046,  
0.4180

 24.0083, 0.4627,  
0.4709


 183.8113, 0.3987,  
0.4124

 15.3398, 0.4767,  
0.4825

 225.4136, 0.3934,  
0.4074

 9.0582, 0.4972,  
0.4996

272.8623, 0.3887,  
0.4029

 4.7792, 0.5015,  
0.4985

326.5419, 0.3845,

 2.1183, 0.5059,

0.3989

0.4941

386.8368, 0.3807,  
0.3953

■ 0.6749, 0.5184,  
0.4816

■ 0.0000, 0.0000,  
0.0000

■ 68.1794, 0.4280,  
0.4398

■ 68.1794, 0.4280,  
0.4398

■ 64.3306, 0.4458,  
0.4506

■ 72.3452, 0.4087,  
0.4253

■ 60.7713, 0.4613,  
0.4569

■ 76.8333, 0.3888,  
0.4083

■ 57.4840, 0.4737,  
0.4581

■ 81.6611, 0.3693,  
0.3898

■ 55.2452, 0.4810,  
0.4563

■ 86.8412, 0.3505,  
0.3708

■ 92.3855, 0.3330,  
0.3520

■ 98.3051, 0.3169,  
0.3338

■ 99.9980, 0.3127,  
0.3290

# Harmonies

## Analogous

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



68.1794, 0.4611, 0.3888



68.1794, 0.4280, 0.4398



68.1794, 0.3660, 0.4680

# Triad

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



68.1794, 0.4280, 0.4398



68.1794, 0.1916, 0.3007



68.1794, 0.3179, 0.2400

# Complementary

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



68.1794, 0.4280, 0.4398



28.4104, 0.2023, 0.1787

# 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.



68.1794, 0.2481, 0.2174



68.1794, 0.4280, 0.4398



68.1794, 0.1826, 0.2440

# Square

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



68.1794, 0.4280, 0.4398



68.1794, 0.2301, 0.3801



68.1794, 0.2018, 0.2174



68.1794, 0.3950, 0.2808



# Rectangle

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



68.1794, 0.4280, 0.4398



68.1794, 0.3177, 0.4613



68.1794, 0.2018, 0.2174



68.1794, 0.2927, 0.2302

# Sweetspot

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



68.1827, 0.4280, 0.4398



88.8769, 0.3438, 0.3637



31.3503, 0.4562, 0.2855



18.6899, 0.3489, 0.3691



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.



68.1827, 0.4280, 0.4398



63.5052, 0.4496, 0.4525



87.6070, 0.3763, 0.4888



20.1766, 0.3276, 0.3460



29.1352, 0.4797, 0.4573



3.0219, 0.4712, 0.4641



# Inverse Universe

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



28.4104, 0.2023, 0.1787



21.1471, 0.1832, 0.1458



20.1287, 0.2111, 0.1358



18.2092, 0.2979, 0.3114



6.3901, 0.1597, 0.0950



0.7975, 0.1657, 0.1166



# Previews

## White Background



This preview shows how the Yxy color 68.1794, 0.4280, 0.4398 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 68.1794, 0.4280, 0.4398 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 68.1794, 0.4280, 0.4398**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.1794, 0.4280, 0.4398.



This preview shows how white text looks on a background with the Yxy color 68.1794, 0.4280, 0.4398.

# 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

68.1794, 0.4280, 0.4398

### Protanopia

68.3255, 0.4103, 0.4500

### Deuteranopia

68.2358, 0.4011, 0.3998



## Tritanopia

68.3052, 0.3461, 0.3179

# Trichromacy



**Original Color**

68.1794, 0.4280, 0.4398

**Protanomaly**

68.3501, 0.4169, 0.4466

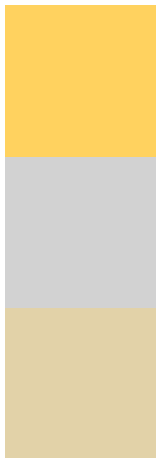
**Deuteranomaly**

68.2910, 0.4116, 0.4157

**Tritanomaly**

67.8249, 0.3790, 0.3655

# Monochromacy



**Original Color**

68.1794, 0.4280, 0.4398

**Achromatopsia**

64.4480, 0.3127, 0.3290

**Achromatomaly**

65.0891, 0.3555, 0.3764

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.1794, 0.4280, 0.4398 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, 210, 95)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 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, 210, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 95) }
```

## Border

The CSS property to change the border of an element to Yxy 68.1794, 0.4280, 0.4398 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, 210, 95) }
```

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

```
.border{ border-color:rgb(255, 210, 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, 210, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 95);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
95) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.1794, 0.4280, 0.4398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 95) }
```

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

```
.background{ background-color: rgb(255,  
210, 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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