

# Converting Colors

$Yxy(90.6780, 0.4944, 0.4013)$

Have a look what the booklet for  
Yxy(90.6780, 0.4944, 0.4013)  
contains.

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# Color

**Yxy(67.2919, 0.4266, 0.4343)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD064
RGB	255, 208, 100
RGB Percent	100%, 82%, 39%
CMY	0.0000, 0.1843, 0.6080
CMYK	0.00, 0.18, 0.61, 0.00
HSL	42°, 100%, 70%
HSV	42°, 61%, 100%
XYZ	66.0988, 67.2919, 21.5526
YIQ	209.7410, 62.6800, -23.6240

# Conversions

## Conversions Part 2

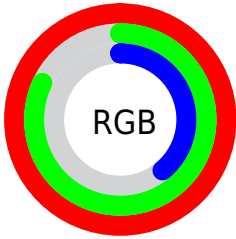
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 255, 100
Decimal	16765028
CIELab	85.65, 4.83, 58.70
CIELCh	86, 58.901, 85.293
Yxy	67.2919, 0.4266, 0.4343
Android (android.graphics.Color)	4294955108 (0xFFFFD064)
YUV	209.7410, -54.1023, 39.6921
Hunter-Lab	82.0316, 0.2750, 41.8446

# Details

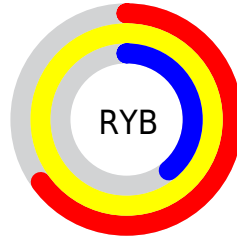
The Yxy color **67.2919, 0.4266, 0.4343** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **30.7843, 0.2066, 0.1885**, and the grayscale version is **64.5986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1131, 0.3723, 0.4275**, and **34.9106, 0.4490, 0.4536** is the 20% darker color. If you saturate the color by 10%, you get **63.1955, 0.4457, 0.4456**, and if you desaturate by 10%, it is **71.7276, 0.4064, 0.4196**.

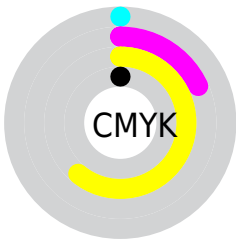
# Distribution



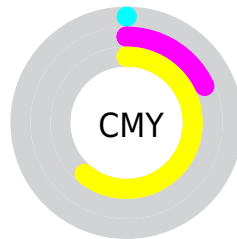
- Red (100%)
- Green (82%)
- Blue (39%)



- Red (65%)
- Yellow (100%)
- Blue (39%)



- Cyan (0%)
- Magenta (18%)
- Yellow (61%)
- Black (0%)




- Cyan (0%)
- Magenta (18%)
- Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.2919, 0.4266, 0.4343 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 67.2919, 0.4266, 0.4343 by changing the saturation by 10% instead.





 67.2919, 0.4266,  
0.4343


 67.2919, 0.4266,  
0.4343


450.9831, 0.3760,  
0.3887


 49.3219, 0.4369,  
0.4432


 115.3386, 0.4099,  
0.4195


 34.8749, 0.4489,  
0.4533

 146.1840, 0.4031,  
0.4135

 23.5665, 0.4625,  
0.4644


 182.0901, 0.3971,  
0.4081

 15.0124, 0.4775,  
0.4760

 223.4411, 0.3919,  
0.4033

 8.8281, 0.4980,  
0.4913

270.6215, 0.3872,  
0.3990

 4.6292, 0.5072,  
0.4928

324.0157, 0.3831,

 2.0314, 0.5134,

0.3952

0.4866

384.0081, 0.3793,  
0.3918

■ 0.6256, 0.5325,  
0.4675

■ 0.0000, 0.0000,  
0.0000

■ 67.2919, 0.4266,  
0.4343

■ 67.2919, 0.4266,  
0.4343

■ 63.1955, 0.4457,  
0.4456

■ 71.7276, 0.4064,  
0.4196

■ 59.4192, 0.4626,  
0.4524


■ 76.5165, 0.3859,  
0.4027

■ 55.9429, 0.4766,  
0.4541


■ 81.6733, 0.3661,  
0.3845

■ 52.9805, 0.4868,  
0.4517

■ 87.2110, 0.3472,  
0.3660

 93.1420, 0.3298,  
0.3478

 99.4775, 0.3139,  
0.3304

 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.



67.2919, 0.4563, 0.3848



67.2919, 0.4266, 0.4343



67.2919, 0.3679, 0.4623

# Triad

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



67.2919, 0.4266, 0.4343



67.2919, 0.1969, 0.3056



67.2919, 0.3142, 0.2414

# Complementary

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



67.2919, 0.4266, 0.4343



30.7843, 0.2066, 0.1885

# 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.



67.2919, 0.2477, 0.2204



67.2919, 0.4266, 0.4343



67.2919, 0.1866, 0.2492

# Square

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



67.2919, 0.4266, 0.4343



67.2919, 0.2358, 0.3819



67.2919, 0.2039, 0.2217



67.2919, 0.3885, 0.2803



# Rectangle

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



67.2919, 0.4266, 0.4343



67.2919, 0.3214, 0.4570



67.2919, 0.2039, 0.2217



67.2919, 0.2901, 0.2321

# Sweetspot

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



67.2925, 0.4266, 0.4343



88.8296, 0.3422, 0.3609



32.5402, 0.4423, 0.2810



18.6529, 0.3474, 0.3662



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.



67.2925, 0.4266, 0.4343



62.3366, 0.4496, 0.4475



88.7018, 0.3787, 0.4826



20.1065, 0.3277, 0.3455



27.9587, 0.4854, 0.4528



2.9148, 0.4760, 0.4602



# Inverse Universe

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



30.7843, 0.2066, 0.1885



23.2182, 0.1874, 0.1561



20.9478, 0.2111, 0.1401



18.2755, 0.2979, 0.3119



6.7964, 0.1611, 0.1001



0.8442, 0.1673, 0.1221



# Previews

## White Background



This preview shows how the Yxy color 67.2919, 0.4266, 0.4343 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 67.2919, 0.4266, 0.4343 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 67.2919, 0.4266, 0.4343**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.2919, 0.4266, 0.4343.



This preview shows how white text looks on a background with the Yxy color 67.2919, 0.4266, 0.4343.

# 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

67.2919, 0.4266, 0.4343

### Protanopia

67.5647, 0.4066, 0.4458

### Deuteranopia

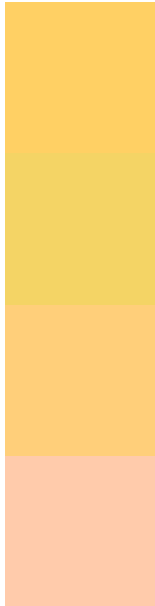
67.1519, 0.4049, 0.4017



## Tritanopia

67.3220, 0.3472, 0.3168

# Trichromacy



**Original Color**

67.2919, 0.4266, 0.4343

**Protanomaly**

67.2596, 0.4146, 0.4413

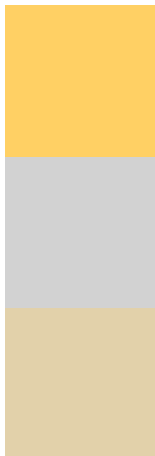
**Deuteranomaly**

67.2908, 0.4134, 0.4148

**Tritanomaly**

66.9121, 0.3789, 0.3624

# Monochromacy



**Original Color**

67.2919, 0.4266, 0.4343

**Achromatopsia**

64.4480, 0.3127, 0.3290

**Achromatomaly**

64.6720, 0.3543, 0.3730

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.2919, 0.4266, 0.4343 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, 208, 100)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 100)  
}
```

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, 208, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 100) }
```

## Border

The CSS property to change the border of an element to Yxy 67.2919, 0.4266, 0.4343 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, 208, 100) }
```

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

```
.border{ border-color:rgb(255, 208, 100) }
```

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

Here you see how a box with a 4 pixel rgb(255, 208, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 100);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
100) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.2919, 0.4266, 0.4343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 208, 100) }
```

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

```
.background{ background-color: rgb(255,  
208, 100) }
```

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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