

# Converting Colors

Yxy(66.9785, 0.3818, 0.4923)

Have a look what the booklet for  
Yxy(66.9785, 0.3818, 0.4923)  
contains.

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**Color**

**Yxy(67.0706, 0.3819, 0.4918)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7E24D
RGB	199, 226, 77
RGB Percent	78%, 89%, 30%
CMY	0.2197, 0.1137, 0.6980
CMYK	0.12, 0.00, 0.66, 0.11
HSL	71°, 72%, 59%
HSV	71°, 66%, 89%
XYZ	52.0827, 67.0706, 17.2245
YIQ	200.9410, 31.7370, -52.0630

# Conversions

## Conversions Part 2

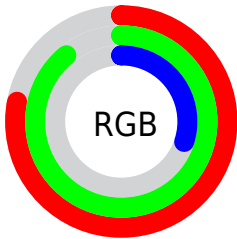
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">77, 226, 104</a>
Decimal	<a href="#">13099597</a>
CIELab	<a href="#">85.54, -28.52, 66.90</a>
CIElCh	<a href="#">86, 72.725, 113.085</a>
Yxy	<a href="#">67.0706, 0.3819, 0.4918</a>
Android (android.graphics.Color)	<a href="#">4291289677 (0xFFC7E24D)</a>
YUV	<a href="#">200.9410, -61.1029, -1.7023</a>
Hunter-Lab	<a href="#">81.8966, -29.8009, 44.8578</a>

# Details

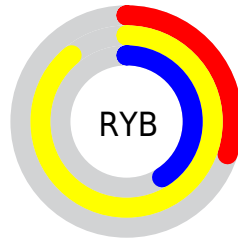
The Yxy color **67.0706, 0.3819, 0.4918** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **13.7491, 0.2022, 0.1258**, and the grayscale version is **58.7407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4735, 0.3834, 0.4459**, and **34.8832, 0.3894, 0.5279** is the 20% darker color. If you saturate the color by 10%, you get **66.2542, 0.3865, 0.5086**, and if you desaturate by 10%, it is **68.0191, 0.3749, 0.4711**.

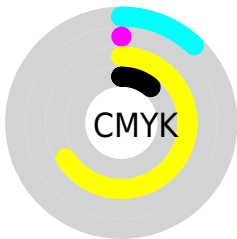
# Distribution



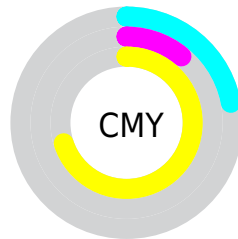
- Red (78%)
- Green (89%)
- Blue (30%)



- Red (30%)
- Yellow (89%)
- Blue (41%)



- Cyan (12%)
- Magenta (0%)
- Yellow (66%)
- Black (11%)




- Cyan (22%)
- Magenta (11%)
- Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.0706, 0.3819, 0.4918 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 67.0706, 0.3819, 0.4918 by changing the saturation by 10% instead.





 67.0706, 0.3819,  
0.4918

 67.0706, 0.3819,  
0.4918


450.1960, 0.3553,  
0.4154

 49.1420, 0.3858,  
0.5084


 115.0216, 0.3743,  
0.4658


 34.7321, 0.3893,  
0.5279


 145.8127, 0.3708,  
0.4554


 23.4566, 0.3915,  
0.5510


 181.6602, 0.3676,  
0.4465

 14.9310, 0.3906,  
0.5780

 222.9484, 0.3647,  
0.4387

 8.7710, 0.3863,  
0.6137

 270.0617, 0.3620,  
0.4318

 4.5921, 0.3610,  
0.6390

323.3844, 0.3596,

 2.0100, 0.3193,

0.4257

0.6807

383.3011, 0.3573,  
0.4202

0.6133, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

67.0706, 0.3819,  
0.4918

67.0706, 0.3819,  
0.4918

66.2542, 0.3865,  
0.5086

68.0191, 0.3749,  
0.4711

65.5486, 0.3884,  
0.5208


69.1009, 0.3659,  
0.4474

64.9419, 0.3878,  
0.5285


70.3285, 0.3553,  
0.4218

64.7124, 0.3872,  
0.5308

71.7102, 0.3438,  
0.3954

 73.2537, 0.3318,  
0.3690

 74.9662, 0.3197,  
0.3435

 76.8543, 0.3080,  
0.3193

 78.7408, 0.2985,  
0.2995

 79.4347, 0.3012,  
0.2998

# Harmonies

## Analogous

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



67.0706, 0.4524, 0.4485



67.0706, 0.3819, 0.4918



67.0706, 0.2980, 0.4808

# Triad

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



67.0706, 0.3819, 0.4918



67.0706, 0.1625, 0.2343



67.0706, 0.3993, 0.2657

# Complementary

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



67.0706, 0.3819, 0.4918



13.7491, 0.2022, 0.1258

# 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.



67.0706, 0.3067, 0.2219



67.0706, 0.3819, 0.4918



67.0706, 0.1803, 0.2015

# Square

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



67.0706, 0.3819, 0.4918



67.0706, 0.1756, 0.3039



67.0706, 0.2286, 0.1991



67.0706, 0.4705, 0.3231



# Rectangle

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



67.0706, 0.3819, 0.4918



67.0706, 0.2453, 0.4338



67.0706, 0.2286, 0.1991



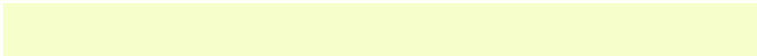
67.0706, 0.3687, 0.2492

# Sweetspot

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



67.0736, 0.3819, 0.4918



95.4257, 0.3368, 0.3800



26.1805, 0.5079, 0.3551



20.3030, 0.3402, 0.3875



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.



67.0736, 0.3819, 0.4918



86.7538, 0.3875, 0.5135



59.4240, 0.3290, 0.5249



15.8972, 0.3239, 0.3524



36.9611, 0.3877, 0.5304



2.5951, 0.3928, 0.5263



# Inverse Universe

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



13.7491, 0.2022, 0.1258



11.9964, 0.1796, 0.0914



20.0728, 0.2675, 0.1563



13.3624, 0.3009, 0.3050



3.4388, 0.1586, 0.0647



0.2739, 0.1723, 0.0723



# Previews

## White Background



This preview shows how the Yxy color 67.0706, 0.3819, 0.4918 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 67.0706, 0.3819, 0.4918 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

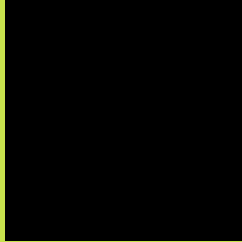
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.0706, 0.3819, 0.4918**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.0706, 0.3819, 0.4918.



This preview shows how white text looks on a background with the Yxy color 67.0706, 0.3819, 0.4918.

# 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

67.0706, 0.3819, 0.4918

### Protanopia

66.9383, 0.4227, 0.4648

### Deuteranopia

66.4812, 0.4104, 0.4074



## Tritanopia

66.6370, 0.3041, 0.3103

# Trichromacy



## Original Color

67.0706, 0.3819, 0.4918

## Protanomaly

66.4981, 0.4075, 0.4748

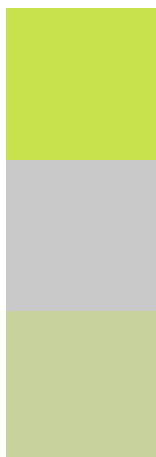
## Deuteranomaly

66.3548, 0.4021, 0.4387

## Tritanomaly

65.6842, 0.3371, 0.3792

# Monochromacy



## Original Color

67.0706, 0.3819, 0.4918

## Achromatopsia

58.4078, 0.3127, 0.3290

## Achromatomaly

60.7728, 0.3432, 0.3945

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.0706, 0.3819, 0.4918 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(199, 226, 77)` looks like.

```
.text, #text, p{  
    color:rgb(199, 226, 77)  
}
```

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(199, 226, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 226, 77) }
```

## Border

The CSS property to change the border of an element to Yxy 67.0706, 0.3819, 0.4918 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(199, 226, 77) }
```

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

```
.border{ border-color:rgb(199, 226, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 226, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 226, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 226, 77);  
box-shadow:4px 4px 4px 4px rgb(199, 226,  
77) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.0706, 0.3819, 0.4918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 226, 77) }
```

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

```
.background{ background-color: rgb(199,  
226, 77) }
```

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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