

# Converting Colors

Yxy(67.9759, 0.3450, 0.5017)

Have a look what the booklet for  
Yxy(67.9759, 0.3450, 0.5017)  
contains.

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# Color

**Yxy(67.9759, 0.3450, 0.5017)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A3EB5C
RGB	163, 235, 92
RGB Percent	64%, 92%, 36%
CMY	0.3607, 0.0784, 0.6394
CMYK	0.31, 0.00, 0.61, 0.08
HSL	90°, 78%, 64%
HSV	90°, 61%, 92%
XYZ	46.7444, 67.9759, 20.7708
YIQ	197.1700, 2.9910, -59.7370

# Conversions

## Conversions Part 2

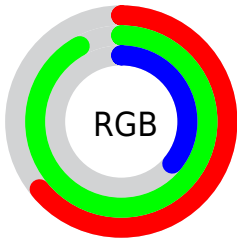
Format	Color
<a href="#">RYB</a>	<a href="#">92, 235, 164</a>
Decimal	<a href="#">10742620</a>
CIELab	<a href="#">85.99, -44.96, 60.72</a>
CIElCh	<a href="#">86, 75.555, 126.518</a>
Yxy	<a href="#">67.9759, 0.3450, 0.5017</a>
Android (android.graphics.Color)	<a href="#">4288932700 (0xFFA3EB5C)</a>
YUV	<a href="#">197.1700, -51.8488, -29.9671</a>
Hunter-Lab	<a href="#">82.4475, -43.0807, 42.7765</a>

# Details

The Yxy color **67.9759, 0.3450, 0.5017** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **21.5317, 0.2498, 0.1576**, and the grayscale version is **56.2612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9987, 0.3527, 0.4430**, and **35.4199, 0.3442, 0.5454** is the 20% darker color. If you saturate the color by 10%, you get **66.4391, 0.3455, 0.5270**, and if you desaturate by 10%, it is **69.7628, 0.3424, 0.4733**.

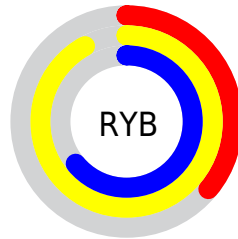
# Distribution



Red (64%)

Green (92%)

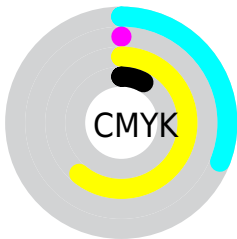
Blue (36%)



Red (36%)

Yellow (92%)

Blue (64%)

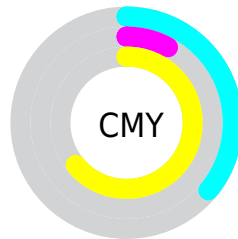


Cyan (31%)

Magenta (0%)

Yellow (61%)

Black (8%)



Cyan (36%)

Magenta (8%)


Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.9759, 0.3450, 0.5017 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 67.9759, 0.3450, 0.5017 by changing the saturation by 10% instead.




 67.9759, 0.3450,  
0.5017

 67.9759, 0.3450,  
0.5017


453.4106, 0.3354,  
0.4172


 49.8781, 0.3453,  
0.5213


 116.3177, 0.3431,  
0.4720


 35.3166, 0.3445,  
0.5452


 147.3304, 0.3419,  
0.4605

 23.9068, 0.3417,  
0.5749


 183.4170, 0.3407,  
0.4507

 15.2645, 0.3346,  
0.6118

 224.9618, 0.3395,  
0.4421

 9.0052, 0.3246,  
0.6685

272.3491, 0.3384,  
0.4347

 4.7446, 0.2875,  
0.7125

325.9635, 0.3373,

 2.0982, 0.2181,

0.4282

0.7819

386.1892, 0.3363,  
0.4224

0.6636, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

67.9759, 0.3450,  
0.5017

67.9759, 0.3450,  
0.5017

66.4391, 0.3455,  
0.5270

69.7628, 0.3424,  
0.4733

65.1281, 0.3439,  
0.5477


71.8047, 0.3382,  
0.4433


64.0279, 0.3400,  
0.5628


74.1169, 0.3328,  
0.4132


63.1827, 0.3351,  
0.5721

76.7111, 0.3266,  
0.3840

 79.5981, 0.3200,  
0.3565

 82.7880, 0.3133,  
0.3311

 86.1961, 0.3076,  
0.3094

 87.8992, 0.3136,  
0.3097

# Harmonies

## Analogous

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



67.9759, 0.4264, 0.4760



67.9759, 0.3450, 0.5017



67.9759, 0.2597, 0.4570

# Triad

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



67.9759, 0.3450, 0.5017



67.9759, 0.1628, 0.2119



67.9759, 0.4405, 0.2888

# Complementary

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



67.9759, 0.3450, 0.5017



21.5317, 0.2498, 0.1576

# 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.



67.9759, 0.3491, 0.2368



67.9759, 0.3450, 0.5017



67.9759, 0.1948, 0.1934

# Square

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



67.9759, 0.3450, 0.5017



67.9759, 0.1617, 0.2657



67.9759, 0.2585, 0.2031



67.9759, 0.4916, 0.3509



# Rectangle

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



67.9759, 0.3450, 0.5017



67.9759, 0.2123, 0.3927



67.9759, 0.2585, 0.2031



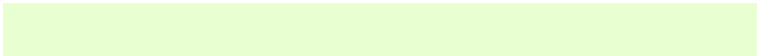
67.9759, 0.4125, 0.2699

# Sweetspot

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



67.9789, 0.3450, 0.5017



93.2675, 0.3248, 0.3762



44.7998, 0.4475, 0.4060



19.7539, 0.3267, 0.3844



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.



67.9789, 0.3450, 0.5017



79.5578, 0.3453, 0.5325



62.4641, 0.3035, 0.5259



17.2296, 0.3191, 0.3528



35.2384, 0.3363, 0.5712



2.8242, 0.3467, 0.5629



# Inverse Universe

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



21.5317, 0.2498, 0.1576



19.1952, 0.2332, 0.1273



31.3077, 0.3193, 0.1883



14.9214, 0.3059, 0.3052



5.5683, 0.2031, 0.0893



0.4945, 0.2180, 0.0975



# Previews

## White Background



This preview shows how the Yxy color 67.9759, 0.3450, 0.5017 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

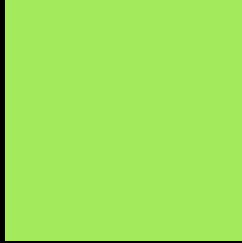
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.9759, 0.3450, 0.5017 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

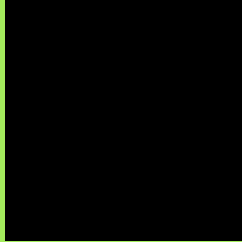
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

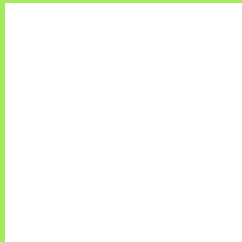
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.9759, 0.3450, 0.5017**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.9759, 0.3450, 0.5017.

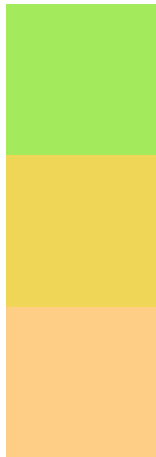


This preview shows how white text looks on a background with the Yxy color 67.9759, 0.3450, 0.5017.

# 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

67.9759, 0.3450, 0.5017

### Protanopia

67.1157, 0.4173, 0.4567

### Deuteranopia

67.1238, 0.4056, 0.4027



## Tritanopia

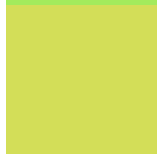
67.5498, 0.2775, 0.3084

# Trichromacy



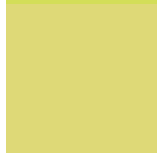
## Original Color

67.9759, 0.3450, 0.5017



## Protanomaly

66.7960, 0.3889, 0.4745



## Deuteranomaly

66.4872, 0.3834, 0.4375



## Tritanomaly

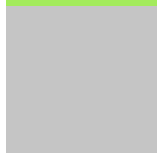
66.5833, 0.3043, 0.3781

# Monochromacy



## Original Color

67.9759, 0.3450, 0.5017



## Achromatopsia

55.8340, 0.3127, 0.3290



## Achromatomaly

59.4060, 0.3290, 0.3944

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.9759, 0.3450, 0.5017 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(163, 235, 92)` looks like.

```
.text, #text, p{  
    color:rgb(163, 235, 92)  
}
```

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(163, 235, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 235, 92) }
```

## Border

The CSS property to change the border of an element to Yxy 67.9759, 0.3450, 0.5017 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(163, 235, 92) }
```

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

```
.border{ border-color:rgb(163, 235, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 235, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 235, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 235, 92);  
box-shadow:4px 4px 4px 4px rgb(163, 235,  
92) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.9759, 0.3450, 0.5017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 235, 92) }
```

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

```
.background{ background-color: rgb(163,  
235, 92) }
```

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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