

# Converting Colors

Yxy(66.3694, 0.3117, 0.4876)

Have a look what the booklet for  
Yxy(66.3694, 0.3117, 0.4876)  
contains.

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**Color**

**Yxy(66.5199, 0.3117, 0.4873)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81ED75
RGB	129, 237, 117
RGB Percent	51%, 93%, 46%
CMY	0.4941, 0.0706, 0.5410
CMYK	0.46, 0.00, 0.51, 0.07
HSL	114°, 77%, 69%
HSV	114°, 51%, 93%
XYZ	42.5493, 66.5199, 27.4379
YIQ	191.0280, -25.8480, -60.2160

# Conversions

## Conversions Part 2

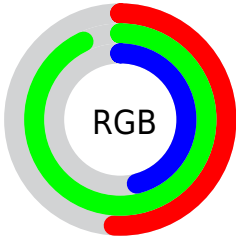
<b>Format</b>	<b>Color</b>
<b>RYB</b>	117, 237, 225
Decimal	8514933
CIELab	85.26, -53.98, 48.26
CIElCh	85, 72.408, 138.200
Yxy	66.5199, 0.3117, 0.4873
Android (android.graphics.Color)	4286705013 (0xFF81ED75)
YUV	191.0280, -36.4958, -54.3986
Hunter-Lab	81.5597, -49.6071, 37.1458

# Details

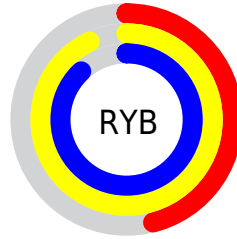
The Yxy color **66.5199, 0.3117, 0.4873** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **34.8622, 0.3071, 0.2031**, and the grayscale version is **52.3468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0251, 0.3177, 0.4247**, and **34.2894, 0.3054, 0.5308** is the 20% darker color. If you saturate the color by 10%, you get **64.5337, 0.3103, 0.5212**, and if you desaturate by 10%, it is **69.0018, 0.3126, 0.4521**.

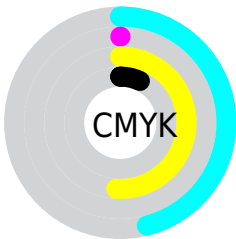
# Distribution



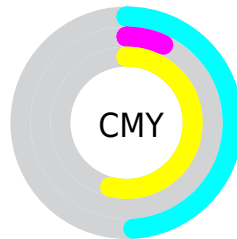
- Red (51%)
- Green (93%)
- Blue (46%)



- Red (46%)
- Yellow (93%)
- Blue (88%)



- Cyan (46%)
- Magenta (0%)
- Yellow (51%)
- Black (7%)




- Cyan (49%)
- Magenta (7%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.5199, 0.3117, 0.4873 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 66.5199, 0.3117, 0.4873 by changing the saturation by 10% instead.




 66.5199, 0.3117,  
0.4873


 66.5199, 0.3117,  
0.4873


448.2339, 0.3162,  
0.4077


 48.6946, 0.3094,  
0.5068


 114.2322, 0.3143,  
0.4585

 34.3773, 0.3057,  
0.5313


 144.8880, 0.3150,  
0.4477

 23.1836, 0.2997,  
0.5631


 180.5893, 0.3154,  
0.4384

 14.7291, 0.2895,  
0.6050

221.7207, 0.3158,  
0.4305

 8.6295, 0.2713,  
0.6615

268.6664, 0.3160,  
0.4237

 4.5003, 0.2431,  
0.7569

321.8110, 0.3161,

 1.9572, 0.1283,

0.4177

0.8717

381.5387, 0.3162,  
0.4124

0.5824, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

66.5199, 0.3117,  
0.4873

66.5199, 0.3117,  
0.4873

64.5337, 0.3103,  
0.5212

69.0018, 0.3126,  
0.4521

63.0019, 0.3084,  
0.5513

72.0006, 0.3131,  
0.4178


61.8906, 0.3062,  
0.5750


75.5465, 0.3132,  
0.3856

61.1571, 0.3038,  
0.5907

79.6650, 0.3131,  
0.3564

 60.7603, 0.3019,  
0.5985

 84.3798, 0.3127,  
0.3305

 89.0508, 0.3135,  
0.3117

# Harmonies

## Analogous

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



66.5199, 0.3947, 0.4872



66.5199, 0.3117, 0.4873



66.5199, 0.2334, 0.4179

# Triad

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



66.5199, 0.3117, 0.4873



66.5199, 0.1755, 0.2048



66.5199, 0.4618, 0.3132

# Complementary

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



66.5199, 0.3117, 0.4873



34.8622, 0.3071, 0.2031

# Split Complementary

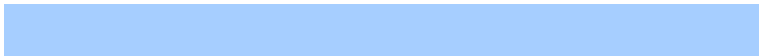
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.5199, 0.3845, 0.2575



66.5199, 0.3117, 0.4873



66.5199, 0.2188, 0.1978

# Square

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



66.5199, 0.3117, 0.4873



66.5199, 0.1626, 0.2432



66.5199, 0.2923, 0.2168



66.5199, 0.4893, 0.3758



# Rectangle

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



66.5199, 0.3117, 0.4873



66.5199, 0.1948, 0.3510



66.5199, 0.2923, 0.2168



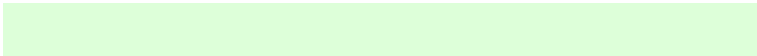
66.5199, 0.4403, 0.2936

# Sweetspot

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



66.5227, 0.3117, 0.4873



91.8201, 0.3132, 0.3690



73.1452, 0.3926, 0.4413



19.4346, 0.3132, 0.3752



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.



66.5227, 0.3117, 0.4873



76.0709, 0.3102, 0.5232



67.0730, 0.2817, 0.4253



16.9339, 0.3131, 0.3532



33.1971, 0.3024, 0.5981



2.6311, 0.3080, 0.5936



# Inverse Universe

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



34.8622, 0.3071, 0.2031



34.6672, 0.3050, 0.1813



34.4120, 0.3684, 0.2511



15.2331, 0.3122, 0.3057



11.1258, 0.2960, 0.1404

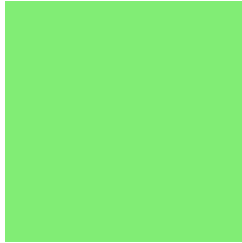


0.8957, 0.2997, 0.1424



# Previews

## White Background



This preview shows how the Yxy color 66.5199, 0.3117, 0.4873 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 66.5199, 0.3117, 0.4873 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 66.5199, 0.3117, 0.4873**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.5199, 0.3117, 0.4873.

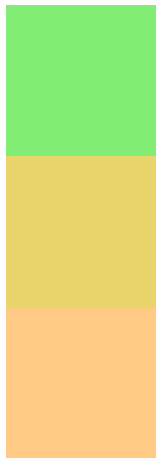


This preview shows how white text looks on a background with the Yxy color 66.5199, 0.3117, 0.4873.

# 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

66.5199, 0.3117, 0.4873

### Protanopia

65.6621, 0.4025, 0.4391

### Deuteranopia

65.1398, 0.4099, 0.4017



## Tritanopia

65.8985, 0.2585, 0.3075

# Trichromacy



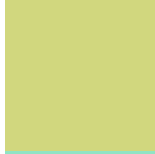
## Original Color

66.5199, 0.3117, 0.4873



## Protanomaly

64.5964, 0.3655, 0.4585



## Deuteranomaly

63.6625, 0.3693, 0.4325



## Tritanomaly

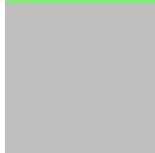
65.4016, 0.2782, 0.3698

# Monochromacy



## Original Color

66.5199, 0.3117, 0.4873



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

56.1169, 0.3130, 0.3868

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  66.5199, 0.3117, 0.4873 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(129, 237, 117)` looks like.

```
.text, #text, p{  
    color:rgb(129, 237, 117)  
}
```

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(129, 237, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 237, 117) }
```

## Border

The CSS property to change the border of an element to Yxy 66.5199, 0.3117, 0.4873 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(129, 237, 117) }
```

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

```
.border{ border-color:rgb(129, 237, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 237, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 237, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 237, 117);  
box-shadow:4px 4px 4px 4px rgb(129, 237,  
117) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.5199, 0.3117, 0.4873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 237, 117) }
```

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

```
.background{ background-color: rgb(129,  
237, 117) }
```

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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