

# Converting Colors

Yxy(69.0865, 0.3241, 0.5149)

Have a look what the booklet for  
Yxy(69.0865, 0.3241, 0.5149)  
contains.

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# Color

**Yxy(68.7871, 0.3240, 0.5146)**

# Conversions

## Conversions Part 1

Format	Color
Hex	86F15E
RGB	134, 241, 94
RGB Percent	53%, 95%, 37%
CMY	0.4744, 0.0549, 0.6315
CMYK	0.44, 0.00, 0.61, 0.05
HSL	104°, 84%, 66%
HSV	104°, 61%, 95%
XYZ	43.3094, 68.7871, 21.5745
YIQ	192.2490, -16.5850, -68.4010

# Conversions

## Conversions Part 2

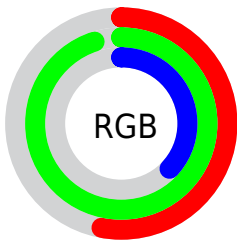
<b>Format</b>	<b>Color</b>
<b>RYB</b>	94, 241, 201
Decimal	8843614
CIELab	86.40, -56.62, 59.95
CIELCh	86, 82.460, 133.362
Yxy	68.7871, 0.3240, 0.5146
Android (android.graphics.Color)	4287033694 (0xFF86F15E)
YUV	192.2490, -48.4368, -51.0844
Hunter-Lab	82.9380, -51.9305, 42.6336

# Details

The Yxy color **68.7871, 0.3240, 0.5146** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **26.7580, 0.2803, 0.1707**, and the grayscale version is **53.1648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0274, 0.3330, 0.4482**, and **35.8248, 0.3180, 0.5637** is the 20% darker color. If you saturate the color by 10%, you get **67.0994, 0.3223, 0.5431**, and if you desaturate by 10%, it is **70.8546, 0.3243, 0.4827**.

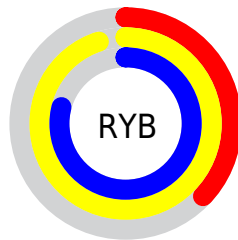
# Distribution



Red (53%)

Green (95%)

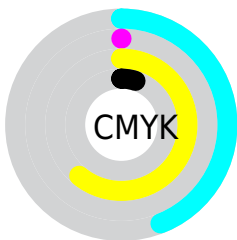
Blue (37%)



Red (37%)

Yellow (95%)

Blue (79%)

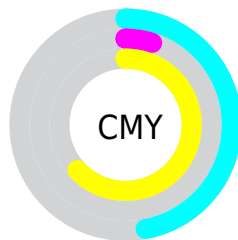


Cyan (44%)

Magenta (0%)

Yellow (61%)

Black (5%)



Cyan (47%)

Magenta (5%)


Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7871, 0.3240, 0.5146 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 68.7871, 0.3240, 0.5146 by changing the saturation by 10% instead.



 68.7871, 0.3240,  
0.5146

 68.7871, 0.3240,  
0.5146


456.2797, 0.3247,  
0.4224


 50.5383, 0.3219,  
0.5364


 117.4774, 0.3257,  
0.4818


 35.8413, 0.3181,  
0.5634


 148.6878, 0.3260,  
0.4692

 24.3117, 0.3114,  
0.5973


 184.9875, 0.3260,  
0.4585

 15.5650, 0.2994,  
0.6401

 226.7609, 0.3258,  
0.4493

 9.2169, 0.2814,  
0.7036

274.3925, 0.3256,  
0.4412

 4.8829, 0.2381,  
0.7619

328.2665, 0.3253,

 2.1787, 0.1361,

0.4342

0.8639

388.7675, 0.3250,  
0.4279

0.7084, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

68.7871, 0.3240,  
0.5146

68.7871, 0.3240,  
0.5146

67.0994, 0.3223,  
0.5431

70.8546, 0.3243,  
0.4827

65.7577, 0.3193,  
0.5662


73.3153, 0.3234,  
0.4496

64.7368, 0.3151,  
0.5824


76.1927, 0.3215,  
0.4169

64.0586, 0.3109,  
0.5913

79.5056, 0.3190,  
0.3859

 83.2720, 0.3161,  
0.3573

 87.5084, 0.3130,  
0.3315

 91.3916, 0.3133,  
0.3156

# Harmonies

## Analogous

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



68.7871, 0.4143, 0.4977



68.7871, 0.3240, 0.5146



68.7871, 0.2355, 0.4477

# Triad

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



68.7871, 0.3240, 0.5146



68.7871, 0.1578, 0.1958



68.7871, 0.4694, 0.2993

# Complementary

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



68.7871, 0.3240, 0.5146



26.7580, 0.2803, 0.1707

# 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.



68.7871, 0.3759, 0.2413



68.7871, 0.3240, 0.5146



68.7871, 0.1987, 0.1842

# Square

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



68.7871, 0.3240, 0.5146



68.7871, 0.1488, 0.2426



68.7871, 0.2740, 0.2007



68.7871, 0.5094, 0.3658



# Rectangle

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



68.7871, 0.3240, 0.5146



68.7871, 0.1900, 0.3714



68.7871, 0.2740, 0.2007



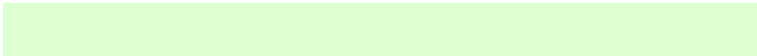
68.7871, 0.4423, 0.2786

# Sweetspot

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



68.7900, 0.3240, 0.5146



91.5962, 0.3182, 0.3771



60.5124, 0.4246, 0.4370



19.3493, 0.3190, 0.3857



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.



68.7900, 0.3240, 0.5146



75.9107, 0.3218, 0.5487



66.7911, 0.2905, 0.4872



17.8647, 0.3157, 0.3531



34.7939, 0.3119, 0.5906



2.9420, 0.3212, 0.5831



# Inverse Universe

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



26.7580, 0.2803, 0.1707



24.3339, 0.2713, 0.1462



31.3104, 0.3528, 0.2132



15.8023, 0.3094, 0.3054



8.4769, 0.2529, 0.1167

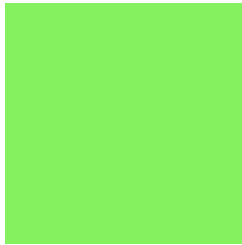


0.7541, 0.2622, 0.1218



# Previews

## White Background



This preview shows how the Yxy color 68.7871, 0.3240, 0.5146 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 68.7871, 0.3240, 0.5146 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

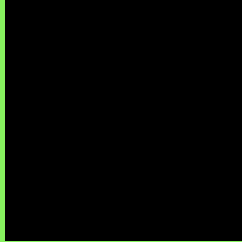
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

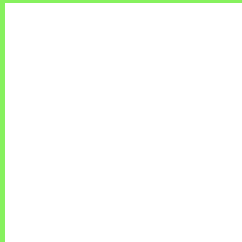
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.7871, 0.3240, 0.5146**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.7871, 0.3240, 0.5146.

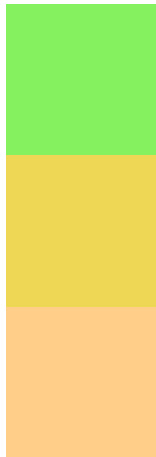


This preview shows how white text looks on a background with the Yxy color 68.7871, 0.3240, 0.5146.

# 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

68.7871, 0.3240, 0.5146

### Protanopia

67.6235, 0.4166, 0.4575

### Deuteranopia

67.7206, 0.4023, 0.3998



## Tritanopia

68.3979, 0.2612, 0.3079

# Trichromacy



## Original Color

68.7871, 0.3240, 0.5146



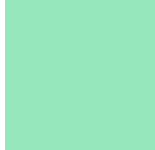
## Protanomaly

66.4501, 0.3794, 0.4798



## Deuteranomaly

65.9171, 0.3718, 0.4400



## Tritanomaly

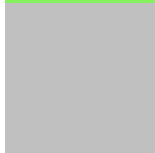
67.4053, 0.2864, 0.3821

# Monochromacy



## Original Color

68.7871, 0.3240, 0.5146



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

57.1514, 0.3204, 0.3995

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.7871, 0.3240, 0.5146 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(134, 241, 94)` looks like.

```
.text, #text, p{  
    color:rgb(134, 241, 94)  
}
```

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(134, 241, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 241, 94) }
```

## Border

The CSS property to change the border of an element to Yxy 68.7871, 0.3240, 0.5146 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(134, 241, 94) }
```

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

```
.border{ border-color:rgb(134, 241, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 241, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 241, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 241, 94);  
box-shadow:4px 4px 4px 4px rgb(134, 241,  
94) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.7871, 0.3240, 0.5146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 241, 94) }
```

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

```
.background{ background-color: rgb(134,  
241, 94) }
```

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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