

# Converting Colors

$Yxy(67.8516, 0.3612, 0.4933)$

Have a look what the booklet for  
Yxy(67.8516, 0.3612, 0.4933)  
contains.

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**Color**

**Yxy(67.8182, 0.3615, 0.4935)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6E759
RGB	182, 231, 89
RGB Percent	71%, 91%, 35%
CMY	0.2861, 0.0941, 0.6509
CMYK	0.21, 0.00, 0.61, 0.09
HSL	81°, 75%, 63%
HSV	81°, 61%, 91%
XYZ	49.6784, 67.8182, 19.9263
YIQ	200.1610, 16.3780, -54.5500

# Conversions

## Conversions Part 2

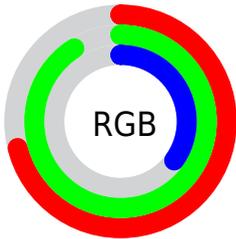
Format	Color
<a href="#">RYB</a>	<a href="#">89, 231, 138</a>
Decimal	<a href="#">11986777</a>
CIELab	<a href="#">85.92, -36.53, 62.17</a>
CIElCh	<a href="#">86, 72.105, 120.440</a>
Yxy	<a href="#">67.8182, 0.3615, 0.4935</a>
Android (android.graphics.Color)	<a href="#">4290176857 (0xFFB6E759)</a>
YUV	<a href="#">200.1610, -54.8024, -15.9272</a>
Hunter-Lab	<a href="#">82.3518, -36.4363, 43.3001</a>

# Details

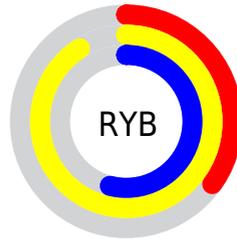
The Yxy color **67.8182, 0.3615, 0.4935** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **18.3182, 0.2288, 0.1472**, and the grayscale version is **58.2073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2344, 0.3680, 0.4404**, and **35.1137, 0.3647, 0.5330** is the 20% darker color. If you saturate the color by 10%, you get **66.5494, 0.3643, 0.5155**, and if you desaturate by 10%, it is **69.2699, 0.3564, 0.4681**.

# Distribution



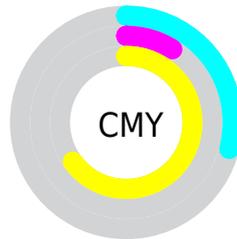
- Red (71%)
- Green (91%)
- Blue (35%)



- Red (35%)
- Yellow (91%)
- Blue (54%)



- Cyan (21%)
- Magenta (0%)
- Yellow (61%)
- Black (9%)



- Cyan (29%)
- Magenta (9%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8182, 0.3615, 0.4935 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 67.8182, 0.3615, 0.4935 by changing the saturation by 10% instead.

 67.8182, 0.3615,  
0.4935

 67.8182, 0.3615,  
0.4935

452.8516, 0.3439,  
0.4144

 49.7498, 0.3636,  
0.5114

 116.0920, 0.3568,  
0.4660

 35.2147, 0.3651,  
0.5331

 147.0663, 0.3545,  
0.4553

 23.8283, 0.3650,  
0.5595

 183.1113, 0.3524,  
0.4460

 15.2063, 0.3615,  
0.5916

 224.6115, 0.3504,  
0.4380

 8.9643, 0.3577,  
0.6423

271.9512, 0.3486,  
0.4310

 4.7179, 0.3255,  
0.6745

325.5149, 0.3469,

 2.0827, 0.2732,

0.4248

0.7268

385.6869, 0.3454,  
0.4193

 0.6549, 0.0000,  
1.0000

 0.0000, 0.0000,  
0.0000

 67.8182, 0.3615,  
0.4935

 67.8182, 0.3615,  
0.4935

 66.5494, 0.3643,  
0.5155

 69.2699, 0.3564,  
0.4681

 65.4417, 0.3646,  
0.5332

 70.9067, 0.3496,  
0.4408

 64.4830, 0.3625,  
0.5458

 72.7417, 0.3415,  
0.4126

 63.7621, 0.3591,  
0.5531

 74.7840, 0.3326,  
0.3847

 77.0423, 0.3233,  
0.3578

 79.5246, 0.3141,  
0.3325

 82.2383, 0.3050,  
0.3092

 83.9189, 0.3076,  
0.3054

 85.3884, 0.3130,  
0.3058

# Harmonies

## Analogous

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



67.8182, 0.4363, 0.4608



67.8182, 0.3615, 0.4935



67.8182, 0.2783, 0.4649

# Triad

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



67.8182, 0.3615, 0.4935



67.8182, 0.1655, 0.2243



67.8182, 0.4191, 0.2795

# Complementary

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



67.8182, 0.3615, 0.4935



18.3182, 0.2288, 0.1472

# 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.



67.8182, 0.3290, 0.2319



67.8182, 0.3615, 0.4935



67.8182, 0.1905, 0.1997

# Square

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



67.8182, 0.3615, 0.4935



67.8182, 0.1708, 0.2841



67.8182, 0.2460, 0.2037



67.8182, 0.4785, 0.3384

# Rectangle

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



67.8182, 0.3615, 0.4935



67.8182, 0.2293, 0.4097



67.8182, 0.2460, 0.2037



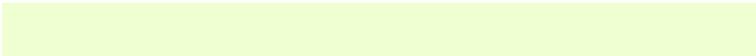
67.8182, 0.3905, 0.2619

# Sweetspot

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



67.8212, 0.3615, 0.4935



94.5094, 0.3295, 0.3755



35.4153, 0.4688, 0.3807



20.0572, 0.3322, 0.3835



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.



67.8212, 0.3615, 0.4935



82.8558, 0.3647, 0.5212



61.3607, 0.3152, 0.5207



16.5555, 0.3215, 0.3526



35.8188, 0.3601, 0.5523



2.6979, 0.3688, 0.5454



# Inverse Universe

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



18.3182, 0.2288, 0.1472



16.0060, 0.2079, 0.1130



26.2306, 0.2953, 0.1768



14.1275, 0.3034, 0.3051



4.2440, 0.1763, 0.0745



0.3637, 0.1925, 0.0834



# Previews

## White Background



This preview shows how the Yxy color 67.8182, 0.3615, 0.4935 looks on a white background.

## Color Contrast Check

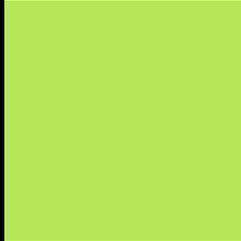
Large Text (above 18pt) WCAG AA × Fail

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 67.8182, 0.3615, 0.4935 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

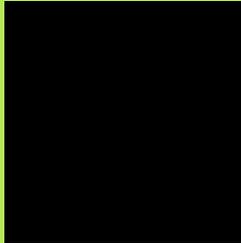
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.8182, 0.3615, 0.4935**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.8182, 0.3615, 0.4935.



This preview shows how white text looks on a background with the Yxy color 67.8182, 0.3615, 0.4935.

# 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

67.8182, 0.3615, 0.4935

### Protanopia

67.5917, 0.4175, 0.4589

### Deuteranopia

67.0961, 0.4064, 0.4037



## Tritanopia

67.3316, 0.2899, 0.3088

# Trichromacy



**Original Color**

67.8182, 0.3615, 0.4935

**Protanomaly**

67.2902, 0.3960, 0.4720

**Deuteranomaly**

66.3792, 0.3905, 0.4356

**Tritanomaly**

66.3866, 0.3190, 0.3769

# Monochromacy



**Original Color**

67.8182, 0.3615, 0.4935

**Achromatopsia**

57.7580, 0.3127, 0.3290

**Achromatomaly**

60.4641, 0.3346, 0.3919

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.8182, 0.3615, 0.4935 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(182, 231, 89)` looks like.

```
.text, #text, p{  
    color:rgb(182, 231, 89)  
}
```

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(182, 231, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 231, 89) }
```

## Border

The CSS property to change the border of an element to Yxy 67.8182, 0.3615, 0.4935 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(182, 231, 89) }
```

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

```
.border{ border-color:rgb(182, 231, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 231, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 231, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 231, 89);  
box-shadow:4px 4px 4px 4px rgb(182, 231,  
89) }
```

# Background

The CSS property to change the background color of an element to Yxy 67.8182, 0.3615, 0.4935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 231, 89) }
```

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

```
.background{ background-color: rgb(182,  
231, 89) }
```

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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