

# Converting Colors

$Yxy(65.5674, 0.3586, 0.5317)$

Have a look what the booklet for  
Yxy(65.5674, 0.3586, 0.5317)  
contains.

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**Color**

**Yxy(65.5382, 0.3583, 0.5316)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1E834
RGB	161, 232, 52
RGB Percent	63%, 91%, 20%
CMY	0.3687, 0.0902, 0.7960
CMYK	0.31, 0.00, 0.78, 0.09
HSL	84°, 80%, 56%
HSV	84°, 78%, 91%
XYZ	44.1729, 65.5382, 13.5737
YIQ	190.2510, 15.4640, -71.0320

# Conversions

## Conversions Part 2

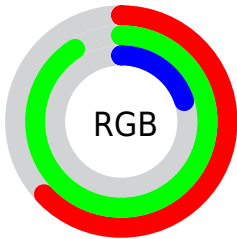
<b>Format</b>	<b>Color</b>
<b>RYB</b>	52, 232, 123
Decimal	10610740
CIELab	84.76, -47.02, 73.81
CIELCh	85, 87.516, 122.495
Yxy	65.5382, 0.3583, 0.5316
Android (android.graphics.Color)	4288800820 (0xFFA1E834)
YUV	190.2510, -68.1577, -25.6531
Hunter-Lab	80.9557, -44.2750, 46.7279

# Details

The Yxy color **65.5382, 0.3583, 0.5316** is a light color, and the websafe version is hex **99CC00**. The color can be described as light washed chartreuse. A complement of this color would be **12.5002, 0.2103, 0.1097**, and the grayscale version is **52.0409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9279, 0.3686, 0.4748**, and **33.9342, 0.3491, 0.5610** is the 20% darker color. If you saturate the color by 10%, you get **64.4642, 0.3564, 0.5470**, and if you desaturate by 10%, it is **66.7902, 0.3578, 0.5112**.

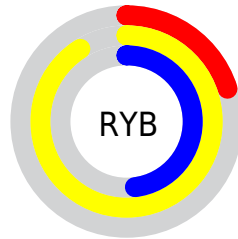
# Distribution



Red (63%)

Green (91%)

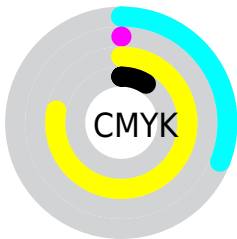
Blue (20%)



Red (20%)

Yellow (91%)

Blue (48%)

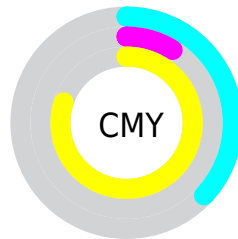


Cyan (31%)

Magenta (0%)

Yellow (78%)

Black (9%)



Cyan (37%)

Magenta (9%)


Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.5382, 0.3583, 0.5316 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 65.5382, 0.3583, 0.5316 by changing the saturation by 10% instead.





 65.5382, 0.3583,  
0.5316

 65.5382, 0.3583,  
0.5316


444.7235, 0.3457,  
0.4339


 47.8976, 0.3581,  
0.5531


 112.8233, 0.3563,  
0.4979


 33.7458, 0.3559,  
0.5787


 143.2365, 0.3547,  
0.4847


 22.6984, 0.3502,  
0.6089


 178.6762, 0.3531,  
0.4732

 14.3710, 0.3406,  
0.6488

 219.5266, 0.3515,  
0.4633

 8.3791, 0.3151,  
0.6849

 266.1721, 0.3499,  
0.4546

 4.3385, 0.2719,  
0.7281

318.9972, 0.3484,

 1.8647, 0.1786,

0.4469

0.8214

378.3862, 0.3470,  
0.4400

0.5270, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

65.5382, 0.3583,  
0.5316

65.5382, 0.3583,  
0.5316

64.4642, 0.3564,  
0.5470

66.7902, 0.3578,  
0.5112


63.5403, 0.3523,  
0.5573

68.2264, 0.3549,  
0.4867


63.3322, 0.3511,  
0.5594

69.8622, 0.3499,  
0.4595

71.7089, 0.3434,  
0.4309

 73.7769, 0.3358,  
0.4022

 76.0757, 0.3276,  
0.3743

 78.6139, 0.3191,  
0.3478

 81.4001, 0.3107,  
0.3232

 84.0602, 0.3061,  
0.3063

# Harmonies

## Analogous

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



65.5382, 0.4496, 0.4856



65.5382, 0.3583, 0.5316



65.5382, 0.2608, 0.4954

# Triad

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



65.5382, 0.3583, 0.5316



65.5382, 0.1416, 0.1997



65.5382, 0.4494, 0.2727

# Complementary

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



65.5382, 0.3583, 0.5316



12.5002, 0.2103, 0.1097

# 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.



65.5382, 0.3387, 0.2176



65.5382, 0.3583, 0.5316



65.5382, 0.1719, 0.1762

# Square

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



65.5382, 0.3583, 0.5316



65.5382, 0.1439, 0.2647



65.5382, 0.2377, 0.1837



65.5382, 0.5169, 0.3396



# Rectangle

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



65.5382, 0.3583, 0.5316



65.5382, 0.2051, 0.4211



65.5382, 0.2377, 0.1837



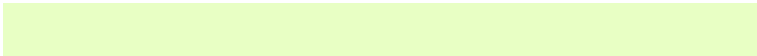
65.5382, 0.4146, 0.2525

# Sweetspot

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



65.5411, 0.3583, 0.5316



92.6532, 0.3322, 0.3896



31.0854, 0.5162, 0.3938



19.6156, 0.3351, 0.3999



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.



65.5411, 0.3583, 0.5316



79.1838, 0.3542, 0.5537



59.3830, 0.3080, 0.5676



16.5186, 0.3207, 0.3526



35.2322, 0.3522, 0.5586



2.6570, 0.3618, 0.5509



# Inverse Universe

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



12.5002, 0.2103, 0.1097



11.0554, 0.1894, 0.0842



22.1358, 0.2980, 0.1546



14.1632, 0.3042, 0.3051



4.5529, 0.1838, 0.0786



0.3891, 0.2002, 0.0877



# Previews

## White Background



This preview shows how the Yxy color 65.5382, 0.3583, 0.5316 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

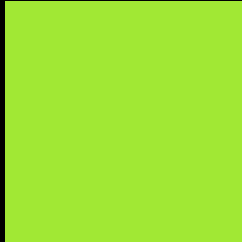
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.5382, 0.3583, 0.5316 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 65.5382, 0.3583, 0.5316**

## Background



This preview shows how black text looks on a background with the Yxy color 65.5382, 0.3583, 0.5316.



This preview shows how white text looks on a background with the Yxy color 65.5382, 0.3583, 0.5316.

# 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

65.5382, 0.3583, 0.5316

### Protanopia

64.7983, 0.4330, 0.4778

### Deuteranopia

64.6709, 0.4230, 0.4191



## Tritanopia

65.0622, 0.2794, 0.3092

# Trichromacy



## Original Color

65.5382, 0.3583, 0.5316



## Protanomaly

64.4401, 0.4038, 0.4987



## Deuteranomaly

63.6988, 0.4013, 0.4609



## Tritanomaly

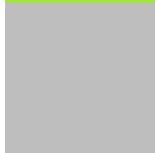
64.1465, 0.3150, 0.3980

# Monochromacy



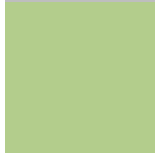
## Original Color

65.5382, 0.3583, 0.5316



## Achromatopsia

51.4918, 0.3127, 0.3290



## Achromatomaly

55.1398, 0.3386, 0.4134

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.5382, 0.3583, 0.5316 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(161, 232, 52)` looks like.

```
.text, #text, p{  
    color:rgb(161, 232, 52)  
}
```

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(161, 232, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 232, 52) }
```

## Border

The CSS property to change the border of an element to Yxy 65.5382, 0.3583, 0.5316 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(161, 232, 52) }
```

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

```
.border{ border-color:rgb(161, 232, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 232, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 232, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 232, 52);  
box-shadow:4px 4px 4px 4px rgb(161, 232,  
52) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.5382, 0.3583, 0.5316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 232, 52) }
```

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

```
.background{ background-color: rgb(161,  
232, 52) }
```

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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