

# Converting Colors

$Y_{xy}(58.5261, 0.2821, 0.5354)$

Have a look what the booklet for  
Yxy(58.5261, 0.2821, 0.5354)  
contains.

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# Color

**Yxy(58.5100, 0.2820, 0.5349)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01E85D
RGB	1, 232, 93
RGB Percent	0%, 91%, 36%
CMY	0.9957, 0.0902, 0.6352
CMYK	1.00, 0.00, 0.60, 0.09
HSL	144°, 99%, 46%
HSV	144°, 100%, 91%
XYZ	30.8466, 58.5100, 20.0284
YIQ	147.0850, -93.0570, -92.2010

# Conversions

## Conversions Part 2

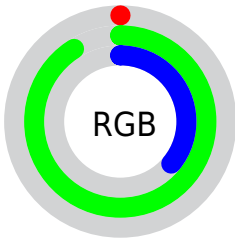
<b>Format</b>	<b>Color</b>
<b>RYB</b>	1, 166, 232
Decimal	125021
CIELab	81.02, -74.59, 53.54
CIELCh	81, 91.814, 144.332
Yxy	58.5100, 0.2820, 0.5349
Android (android.graphics.Color)	4278315101 (0xFF01E85D)
YUV	147.0850, -26.6639, -128.1165
Hunter-Lab	76.4918, -61.8777, 38.0200

# Details

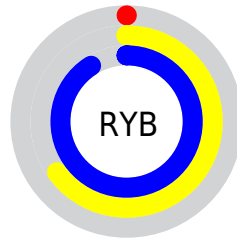
The Yxy color **58.5100, 0.2820, 0.5349** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **19.0762, 0.4548, 0.2281**, and the grayscale version is **29.3715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9416, 0.2888, 0.4682**, and **30.7999, 0.2935, 0.5764** is the 20% darker color. If you saturate the color by 10%, you get **58.4935, 0.2822, 0.5358**, and if you desaturate by 10%, it is **58.9738, 0.2786, 0.5152**.

# Distribution



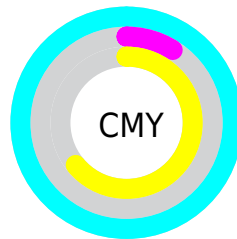
- Red (0%)
- Green (91%)
- Blue (36%)



- Red (0%)
- Yellow (65%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (9%)




- Cyan (100%)
- Magenta (9%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.5100, 0.2820, 0.5349 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 58.5100, 0.2820, 0.5349 by changing the saturation by 10% instead.



 58.5100, 0.2820,  
0.5349

 58.5100, 0.2820,  
0.5349


419.0836, 0.3033,  
0.4270


 42.2188, 0.2748,  
0.5623


 102.6652, 0.2912,  
0.4951

 29.2727, 0.2645,  
0.5972


 131.2979, 0.2942,  
0.4803

 19.2872, 0.2493,  
0.6425


 164.8133, 0.2966,  
0.4678

 11.8780, 0.2255,  
0.7022

 203.5957, 0.2985,  
0.4572

 6.6606, 0.1935,  
0.8065

 248.0296, 0.3000,  
0.4481

 3.2508, 0.1074,  
0.8926

298.4992, 0.3013,

 1.2640, 0.0000,

0.4401

1.0000

355.3891, 0.3024,  
0.4332

■ 0.1131, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.5100, 0.2820,  
0.5349

■ 58.5100, 0.2820,  
0.5349

■ 58.4935, 0.2822,  
0.5358

■ 58.9738, 0.2786,  
0.5152

■ 59.7103, 0.2768,  
0.4933

■ 60.7900, 0.2768,  
0.4700

■ 62.2555, 0.2787,  
0.4463

■ 64.1428, 0.2823,  
0.4230

■ 66.4836, 0.2871,  
0.4006

■ 69.3066, 0.2929,  
0.3798

■ 72.6379, 0.2993,  
0.3608

■ 76.5017, 0.3061,  
0.3436

# Harmonies

## Analogous

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



58.5100, 0.3863, 0.5402



58.5100, 0.2820, 0.5349



58.5100, 0.1910, 0.4211

# Triad

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



58.5100, 0.2820, 0.5349



58.5100, 0.1505, 0.1691



58.5100, 0.5219, 0.3177

# Complementary

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



58.5100, 0.2820, 0.5349



19.0762, 0.4548, 0.2281

# 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.



58.5100, 0.4304, 0.2503



58.5100, 0.2820, 0.5349



58.5100, 0.2086, 0.1693

# Square

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



58.5100, 0.2820, 0.5349



58.5100, 0.1280, 0.2032



58.5100, 0.3074, 0.1976



58.5100, 0.5351, 0.3922



# Rectangle

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



58.5100, 0.2820, 0.5349



58.5100, 0.1516, 0.3269



58.5100, 0.3074, 0.1976



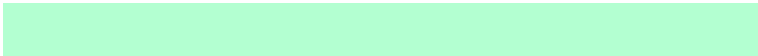
58.5100, 0.4989, 0.2943

# Sweetspot

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



58.5124, 0.2820, 0.5349



85.6454, 0.2925, 0.3811



63.6006, 0.3531, 0.5576



18.0018, 0.2900, 0.3898



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.



58.5124, 0.2820, 0.5349



72.4697, 0.2824, 0.5367



62.1325, 0.2351, 0.3661



16.1838, 0.3062, 0.3435



32.4958, 0.2813, 0.5328



2.4192, 0.2732, 0.5034



# Inverse Universe

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



19.0762, 0.4548, 0.2281



23.5760, 0.4565, 0.2288



17.2643, 0.6270, 0.3231



14.5130, 0.3199, 0.3149



10.5951, 0.4528, 0.2268



0.8011, 0.4284, 0.2133



# Previews

## White Background



This preview shows how the Yxy color 58.5100, 0.2820, 0.5349 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

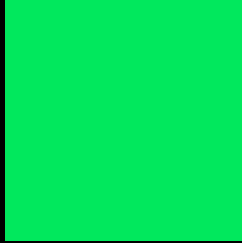
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.5100, 0.2820, 0.5349 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 58.5100, 0.2820, 0.5349**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.5100, 0.2820, 0.5349.

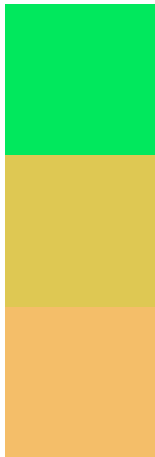


This preview shows how white text looks on a background with the Yxy color 58.5100, 0.2820, 0.5349.

# 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

58.5100, 0.2820, 0.5349

### Protanopia

57.4627, 0.4143, 0.4549

### Deuteranopia

57.0799, 0.4264, 0.4177



## Tritanopia

58.4163, 0.2336, 0.3068

# Trichromacy



## Original Color

58.5100, 0.2820, 0.5349



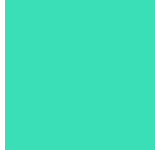
## Protanomaly

53.5259, 0.3392, 0.4985



## Deuteranomaly

51.6701, 0.3449, 0.4704



## Tritanomaly

57.1241, 0.2486, 0.3866

# Monochromacy



## Original Color

58.5100, 0.2820, 0.5349



## Achromatopsia

29.1771, 0.3127, 0.3290



## Achromatomaly

35.7528, 0.2839, 0.4166

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.5100, 0.2820, 0.5349 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(1, 232, 93)` looks like.

```
.text, #text, p{  
    color:rgb(1, 232, 93)  
}
```

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(1, 232, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 232, 93) }
```

## Border

The CSS property to change the border of an element to Yxy 58.5100, 0.2820, 0.5349 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(1, 232, 93) }
```

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

```
.border{ border-color:rgb(1, 232, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 232, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 232, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 232, 93);  
box-shadow:4px 4px 4px 4px rgb(1, 232, 93)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 58.5100, 0.2820, 0.5349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 232, 93) }
```

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

```
.background{ background-color: rgb(1, 232,  
93) }
```

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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