

# Converting Colors

$Yxy(58.0981, 0.2938, 0.5551)$

Have a look what the booklet for  
Yxy(58.0981, 0.2938, 0.5551)  
contains.

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# Color

**$\text{Yxy}(58.1465, 0.2936, 0.5547)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	2BE749
RGB	43, 231, 73
RGB Percent	17%, 91%, 29%
CMY	0.8311, 0.0941, 0.7138
CMYK	0.81, 0.00, 0.68, 0.09
HSL	130°, 80%, 54%
HSV	130°, 81%, 91%
XYZ	30.7767, 58.1465, 15.9020
YIQ	156.7760, -61.3300, -88.9940

# Conversions

## Conversions Part 2

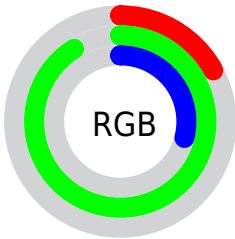
<b>Format</b>	<b>Color</b>
<b>RYB</b>	43, 205, 231
Decimal	2877257
CIELab	80.82, -73.98, 61.61
CIELCh	81, 96.276, 140.215
Yxy	58.1465, 0.2936, 0.5547
Android (android.graphics.Color)	4281067337 (0xFF2BE749)
YUV	156.7760, -41.3016, -99.7816
Hunter-Lab	76.2539, -61.4002, 41.0134

# Details

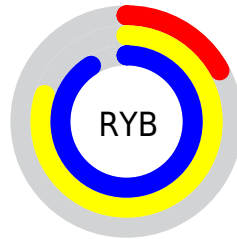
The Yxy color **58.1465, 0.2936, 0.5547** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **22.9435, 0.3558, 0.1840**, and the grayscale version is **33.8311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3159, 0.3024, 0.4882**, and **30.2721, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **57.5635, 0.2950, 0.5752**, and if you desaturate by 10%, it is **59.0971, 0.2933, 0.5287**.

# Distribution



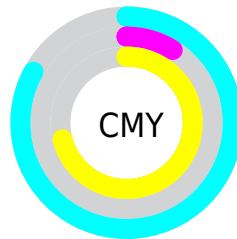
- Red (17%)
- Green (91%)
- Blue (29%)



- Red (17%)
- Yellow (80%)
- Blue (91%)



- Cyan (81%)
- Magenta (0%)
- Yellow (68%)
- Black (9%)



- Cyan (83%)
- Magenta (9%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.1465, 0.2936, 0.5547 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 58.1465, 0.2936, 0.5547 by changing the saturation by 10% instead.




 58.1465, 0.2936,  
0.5547

 58.1465, 0.2936,  
0.5547


417.7316, 0.3111,  
0.4371


 41.9264, 0.2866,  
0.5839


 102.1362, 0.3019,  
0.5117


 29.0437, 0.2762,  
0.6205

 130.6746, 0.3045,  
0.4956

 19.1139, 0.2601,  
0.6668


 164.0879, 0.3064,  
0.4820

 11.7526, 0.2349,  
0.7271

 202.7604, 0.3079,  
0.4703

 6.5754, 0.1945,  
0.8055

 247.0767, 0.3090,  
0.4603

 3.1980, 0.1074,  
0.8926

297.4211, 0.3099,

 1.2360, 0.0000,

0.4516

1.0000

354.1779, 0.3106,  
0.4439

■ 0.0908, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.1465, 0.2936,  
0.5547

■ 58.1465, 0.2936,  
0.5547

■ 57.5635, 0.2950,  
0.5752

■ 59.0971, 0.2933,  
0.5287


■ 57.2849, 0.2966,  
0.5878


■ 60.4565, 0.2941,  
0.4990


■ 62.2679, 0.2960,  
0.4675


■ 64.5672, 0.2986,  
0.4361

 67.3866, 0.3017,  
0.4062

 70.7555, 0.3052,  
0.3786

 74.7010, 0.3087,  
0.3538

 79.2486, 0.3122,  
0.3318

 84.4222, 0.3156,  
0.3125

# Harmonies

## Analogous

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



58.1465, 0.4013, 0.5417



58.1465, 0.2936, 0.5547



58.1465, 0.1960, 0.4469

# Triad

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



58.1465, 0.2936, 0.5547



58.1465, 0.1395, 0.1655



58.1465, 0.5233, 0.3058

# Complementary

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



58.1465, 0.2936, 0.5547



22.9435, 0.3558, 0.1840

# 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.



58.1465, 0.4185, 0.2382



58.1465, 0.2936, 0.5547



58.1465, 0.1935, 0.1617

# Square

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



58.1465, 0.2936, 0.5547



58.1465, 0.1211, 0.2057



58.1465, 0.2902, 0.1871



58.1465, 0.5474, 0.3810



# Rectangle

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



58.1465, 0.2936, 0.5547



58.1465, 0.1515, 0.3452



58.1465, 0.2902, 0.1871



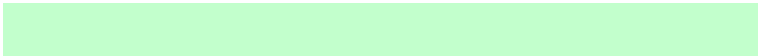
58.1465, 0.4955, 0.2822

# Sweetspot

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



58.1489, 0.2936, 0.5547



87.3006, 0.3042, 0.3860



69.9980, 0.3924, 0.5125



18.3604, 0.3030, 0.3959



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.



58.1489, 0.2936, 0.5547



71.7415, 0.2964, 0.5859



60.3929, 0.2558, 0.4246



16.1264, 0.3094, 0.3494



32.1260, 0.2961, 0.5859



2.3854, 0.2895, 0.5623



# Inverse Universe

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



22.9435, 0.3558, 0.1840



26.2883, 0.3656, 0.1794



19.8232, 0.5029, 0.2726



14.5737, 0.3162, 0.3095



11.7290, 0.3656, 0.1788

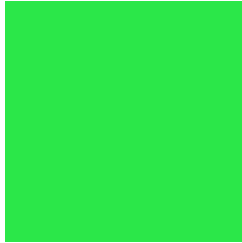


0.8774, 0.3580, 0.1746



# Previews

## White Background



This preview shows how the Yxy color 58.1465, 0.2936, 0.5547 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 58.1465, 0.2936, 0.5547 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

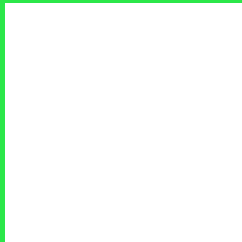
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.1465, 0.2936, 0.5547**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.1465, 0.2936, 0.5547.

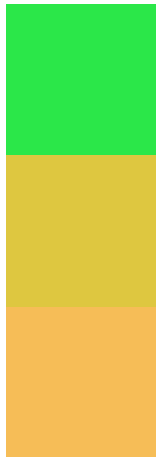


This preview shows how white text looks on a background with the Yxy color 58.1465, 0.2936, 0.5547.

# 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

58.1465, 0.2936, 0.5547

### Protanopia

56.7466, 0.4243, 0.4678

### Deuteranopia

56.6761, 0.4405, 0.4310



## Tritanopia

57.7616, 0.2370, 0.3068

# Trichromacy



## Original Color

58.1465, 0.2936, 0.5547



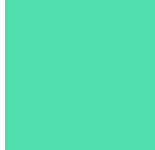
## Protanomaly

54.1619, 0.3601, 0.5104



## Deuteranomaly

52.5656, 0.3691, 0.4835



## Tritanomaly

56.5135, 0.2582, 0.3954

# Monochromacy



## Original Color

58.1465, 0.2936, 0.5547



## Achromatopsia

33.7164, 0.3127, 0.3290



## Achromatomaly

39.5003, 0.3007, 0.4225

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.1465, 0.2936, 0.5547 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(43, 231, 73)` looks like.

```
.text, #text, p{  
    color:rgb(43, 231, 73)  
}
```

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(43, 231, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 231, 73) }
```

## Border

The CSS property to change the border of an element to Yxy 58.1465, 0.2936, 0.5547 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(43, 231, 73) }
```

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

```
.border{ border-color:rgb(43, 231, 73) }
```

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

Here you see how a box with a 4 pixel rgb(43, 231, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 231, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 231, 73);  
box-shadow:4px 4px 4px 4px rgb(43, 231,  
73) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.1465, 0.2936, 0.5547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 231, 73) }
```

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

```
.background{ background-color: rgb(43, 231,  
73) }
```

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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