

# Converting Colors

Yxy(64.9284, 0.2916, 0.5581)

Have a look what the booklet for  
Yxy(64.9284, 0.2916, 0.5581)  
contains.

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# Color

**Yxy(64.9163, 0.2918, 0.5585)**

# Conversions

## Conversions Part 1

Format	Color
Hex	20F34B
RGB	32, 243, 75
RGB Percent	13%, 95%, 29%
CMY	0.8744, 0.0470, 0.7058
CMYK	0.87, 0.00, 0.69, 0.05
HSL	132°, 90%, 54%
HSV	132°, 87%, 95%
XYZ	33.9169, 64.9163, 17.4001
YIQ	160.7590, -71.8280, -96.9800

# Conversions

## Conversions Part 2

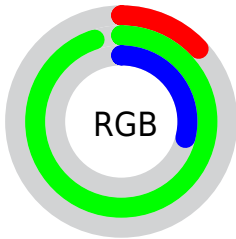
Format	Color
<a href="#">RYB</a>	<a href="#">32, 207, 243</a>
Decimal	<a href="#">2159435</a>
CIELab	<a href="#">84.44, -78.29, 64.64</a>
CIELCh	<a href="#">84, 101.525, 140.454</a>
Yxy	<a href="#">64.9163, 0.2918, 0.5585</a>
Android (android.graphics.Color)	<a href="#">4280349515</a> (0xFF20F34B)
YUV	<a href="#">160.7590, -42.2792, -112.9216</a>
Hunter-Lab	<a href="#">80.5707, -65.8576, 43.5951</a>

# Details

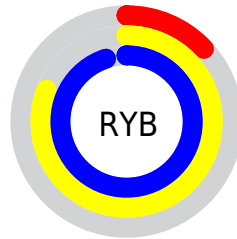
The Yxy color **64.9163, 0.2918, 0.5585** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **24.2603, 0.3714, 0.1881**, and the grayscale version is **35.7525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2236, 0.3006, 0.4862**, and **34.6979, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **64.4355, 0.2941, 0.5769**, and if you desaturate by 10%, it is **65.7681, 0.2906, 0.5347**.

# Distribution



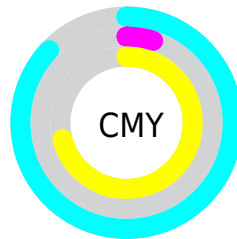
- Red (13%)
- Green (95%)
- Blue (29%)



- Red (13%)
- Yellow (81%)
- Blue (95%)



- Cyan (87%)
- Magenta (0%)
- Yellow (69%)
- Black (5%)




- Cyan (87%)
- Magenta (5%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9163, 0.2918, 0.5585 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 64.9163, 0.2918, 0.5585 by changing the saturation by 10% instead.




 64.9163, 0.2918,  
0.5585


 64.9163, 0.2918,  
0.5585


442.4911, 0.3103,  
0.4410


 47.3932, 0.2848,  
0.5870


 111.9295, 0.3004,  
0.5161


 33.3466, 0.2745,  
0.6224


 142.1884, 0.3031,  
0.5000

 22.3921, 0.2590,  
0.6667


 177.4614, 0.3051,  
0.4863

 14.1453, 0.2350,  
0.7223

 218.1329, 0.3067,  
0.4746

 8.2218, 0.1994,  
0.8006

 264.5872, 0.3079,  
0.4645

 4.2372, 0.1349,  
0.8651

317.2087, 0.3089,

 1.8071, 0.0000,

0.4557

1.0000

376.3819, 0.3097,  
0.4479

■ 0.4916, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.9163, 0.2918,  
0.5585

■ 64.9163, 0.2918,  
0.5585

■ 64.4355, 0.2941,  
0.5769


■ 65.7681, 0.2906,  
0.5347


■ 64.3295, 0.2949,  
0.5816


■ 67.0444, 0.2907,  
0.5070


■ 68.7970, 0.2920,  
0.4772


■ 71.0684, 0.2945,  
0.4469

 73.8959, 0.2978,  
0.4175

 77.3137, 0.3016,  
0.3900

 81.3531, 0.3057,  
0.3650

 86.0429, 0.3099,  
0.3427

 91.4106, 0.3140,  
0.3230

# Harmonies

## Analogous

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



64.9163, 0.4008, 0.5449



64.9163, 0.2918, 0.5585



64.9163, 0.1934, 0.4478

# Triad

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



64.9163, 0.2918, 0.5585



64.9163, 0.1378, 0.1633



64.9163, 0.5271, 0.3056

# Complementary

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



64.9163, 0.2918, 0.5585



24.2603, 0.3714, 0.1881

# 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.



64.9163, 0.4212, 0.2374



64.9163, 0.2918, 0.5585



64.9163, 0.1925, 0.1599

# Square

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



64.9163, 0.2918, 0.5585



64.9163, 0.1190, 0.2033



64.9163, 0.2906, 0.1857



64.9163, 0.5503, 0.3814



# Rectangle

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



64.9163, 0.2918, 0.5585



64.9163, 0.1489, 0.3439



64.9163, 0.2906, 0.1857



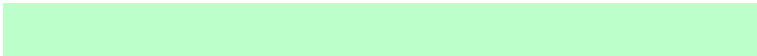
64.9163, 0.4992, 0.2818

# Sweetspot

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



64.9190, 0.2918, 0.5585



86.5747, 0.3019, 0.3881



76.5986, 0.3856, 0.5242



18.2268, 0.3005, 0.3973



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.



64.9190, 0.2918, 0.5585



71.7676, 0.2950, 0.5819



67.6943, 0.2514, 0.4166



18.5272, 0.3088, 0.3484



35.3205, 0.2943, 0.5794



3.1185, 0.2882, 0.5575



# Inverse Universe

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



24.2603, 0.3714, 0.1881



25.5737, 0.3816, 0.1876



20.9215, 0.5394, 0.2853



16.7070, 0.3169, 0.3104



12.6030, 0.3803, 0.1869

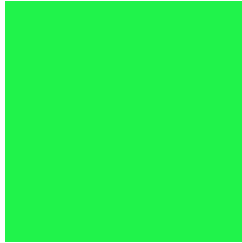


1.1220, 0.3714, 0.1820



# Previews

## White Background



This preview shows how the Yxy color 64.9163, 0.2918, 0.5585 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

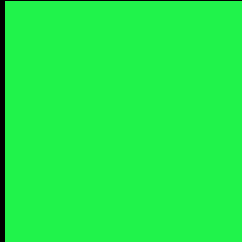
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.9163, 0.2918, 0.5585 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

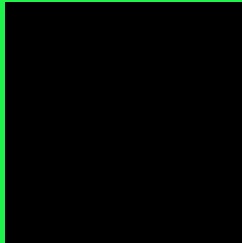
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.9163, 0.2918, 0.5585**

## Background



This preview shows how black text looks on a background with the Yxy color 64.9163, 0.2918, 0.5585.

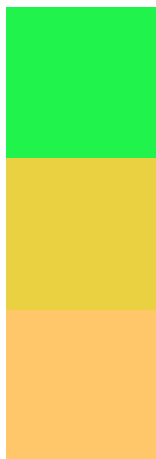


This preview shows how white text looks on a background with the Yxy color 64.9163, 0.2918, 0.5585.

# 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

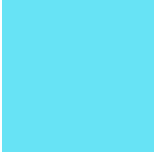
64.9163, 0.2918, 0.5585

### Protanopia

63.4867, 0.4257, 0.4683

### Deuteranopia

63.1475, 0.4289, 0.4214



## Tritanopia

64.4143, 0.2357, 0.3065

# Trichromacy



## Original Color

64.9163, 0.2918, 0.5585



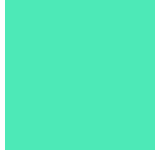
## Protanomaly

59.7196, 0.3579, 0.5134



## Deuteranomaly

58.4258, 0.3591, 0.4787



## Tritanomaly

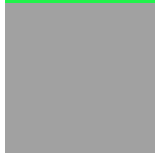
63.2745, 0.2565, 0.3982

# Monochromacy



## Original Color

64.9163, 0.2918, 0.5585



## Achromatopsia

35.6400, 0.3127, 0.3290



## Achromatomaly

42.4507, 0.2966, 0.4253

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.9163, 0.2918, 0.5585 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(32, 243, 75)` looks like.

```
.text, #text, p{  
    color:rgb(32, 243, 75)  
}
```

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(32, 243, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 243, 75) }
```

## Border

The CSS property to change the border of an element to Yxy 64.9163, 0.2918, 0.5585 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(32, 243, 75) }
```

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

```
.border{ border-color:rgb(32, 243, 75) }
```

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

Here you see how a box with a 4 pixel rgb(32, 243, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 243, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 243, 75);  
box-shadow:4px 4px 4px 4px rgb(32, 243,  
75) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.9163, 0.2918, 0.5585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 243, 75) }
```

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

```
.background{ background-color: rgb(32, 243,  
75) }
```

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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