

# Converting Colors

$Yxy(65.4938, 0.3029, 0.5977)$

Have a look what the booklet for  
Yxy(65.4938, 0.3029, 0.5977)  
contains.

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# Color

**Yxy(65.6119, 0.3029, 0.5977)**

# Conversions

## Conversions Part 1

| Format      | Color                         |
|-------------|-------------------------------|
| Hex         | 20F500                        |
| RGB         | 32, 245, 0                    |
| RGB Percent | 13%, 96%, 0%                  |
| CMY         | 0.8741, 0.0392, 0.9999        |
| CMYK        | 0.87, 0.00, 1.00, 0.04        |
| HSL         | 112°, 100%, 48%               |
| HSV         | 112°, 100%, 96%               |
| XYZ         | 33.2505, 65.6119, 10.9115     |
| YIQ         | 153.3830, -48.3030, -121.3510 |

# Conversions

## Conversions Part 2

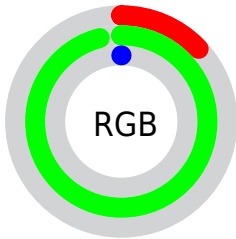
| <b>Format</b>                       | <b>Color</b>                     |
|-------------------------------------|----------------------------------|
| <b>RYB</b>                          | 0, 245, 213                      |
| Decimal                             | 2159872                          |
| CIELab                              | 84.80, -82.17, 80.89             |
| CIELCh                              | 85, 115.303, 135.448             |
| Yxy                                 | 65.6119, 0.3029,<br>0.5977       |
| Android<br>(android.graphics.Color) | 4280349952<br>(0xFF20F500)       |
| YUV                                 | 153.3830, -75.6178,<br>-106.4529 |
| Hunter-Lab                          | 81.0012, -68.4788,<br>48.7140    |

# Details

The Yxy color **65.6119, 0.3029, 0.5977** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **20.7268, 0.2875, 0.1357**, and the grayscale version is **32.4003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5433, 0.3178, 0.5298**, and **35.5406, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **65.6143, 0.3029, 0.5977**, and if you desaturate by 10%, it is **66.1417, 0.3055, 0.5889**.

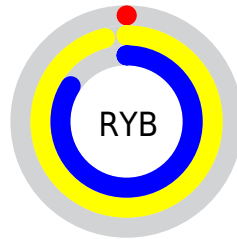
# Distribution



Red (13%)

Green (96%)

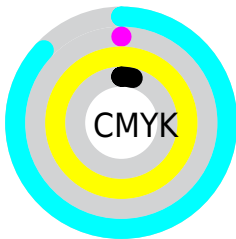
Blue (0%)



Red (0%)

Yellow (96%)

Blue (84%)

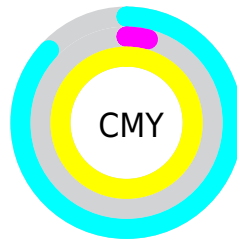


Cyan (87%)

Magenta (0%)

Yellow (100%)

Black (4%)



Cyan (87%)

Magenta (4%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.6119, 0.3029, 0.5977 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 65.6119, 0.3029, 0.5977 by changing the saturation by 10% instead.





 65.6119, 0.3029,  
0.5977

 65.6119, 0.3029,  
0.5977


444.9876, 0.3209,  
0.4630


 47.9574, 0.2945,  
0.6283

 112.9291, 0.3125,  
0.5504


 33.7932, 0.2819,  
0.6648


 143.3607, 0.3152,  
0.5320

 22.7348, 0.2625,  
0.7079


 178.8200, 0.3171,  
0.5162

 14.3978, 0.2352,  
0.7648

 219.6915, 0.3185,  
0.5026

 8.3978, 0.1882,  
0.8118

 266.3597, 0.3194,  
0.4907

 4.3506, 0.1218,  
0.8782

 319.2088, 0.3201,

 1.8715, 0.0000,

0.4803

1.0000

378.6233, 0.3206,  
0.4711

■ 0.5312, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 65.6119, 0.3029,  
0.5977

■ 65.6119, 0.3029,  
0.5977

■ 65.6143, 0.3029,  
0.5977

■ 66.1417, 0.3055,  
0.5889

■ 67.0112, 0.3083,  
0.5726

■ 68.2796, 0.3108,  
0.5484

■ 69.9890, 0.3127,  
0.5182

■ 72.1756, 0.3139,  
0.4844

■ 74.8719, 0.3145,  
0.4495

■ 78.1078, 0.3146,  
0.4155

■ 81.9104, 0.3142,  
0.3836

■ 86.3052, 0.3136,  
0.3547

# Harmonies

## Analogous

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



65.6119, 0.4206, 0.5513



65.6119, 0.3029, 0.5977



65.6119, 0.1931, 0.4950

# Triad

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



65.6119, 0.3029, 0.5977



65.6119, 0.1172, 0.1516



65.6119, 0.5394, 0.2865

# Complementary

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



65.6119, 0.3029, 0.5977



20.7268, 0.2875, 0.1357

# 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.



65.6119, 0.4088, 0.2166



65.6119, 0.3029, 0.5977



65.6119, 0.1675, 0.1436

# Square

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



65.6119, 0.3029, 0.5977



65.6119, 0.1026, 0.2004



65.6119, 0.2653, 0.1660



65.6119, 0.5777, 0.3642



# Rectangle

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



65.6119, 0.3029, 0.5977



65.6119, 0.1409, 0.3722



65.6119, 0.2653, 0.1660



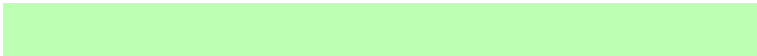
65.6119, 0.5032, 0.2620

# Sweetspot

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



65.6146, 0.3029, 0.5977



85.5119, 0.3146, 0.4157



66.6689, 0.4454, 0.4845



17.9671, 0.3146, 0.4299



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.



65.6146, 0.3029, 0.5977



71.8499, 0.3028, 0.5978



66.0415, 0.2848, 0.5453



18.5760, 0.3135, 0.3533



35.3799, 0.3035, 0.5973



3.1416, 0.3096, 0.5924



# Inverse Universe

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



20.7268, 0.2875, 0.1357



22.6869, 0.2874, 0.1357



21.7858, 0.4431, 0.2215



16.6518, 0.3117, 0.3055



11.2088, 0.2880, 0.1360

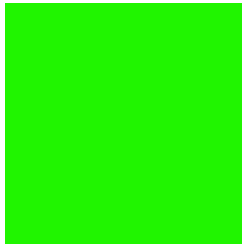


1.0151, 0.2924, 0.1384



# Previews

## White Background



This preview shows how the Yxy color 65.6119, 0.3029, 0.5977 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

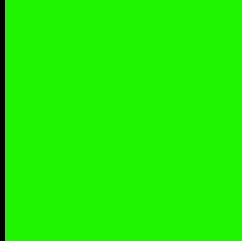
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.6119, 0.3029, 0.5977 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

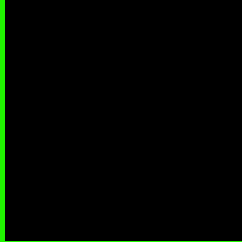
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.6119, 0.3029, 0.5977**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.6119, 0.3029, 0.5977.



This preview shows how white text looks on a background with the Yxy color 65.6119, 0.3029, 0.5977.

# 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

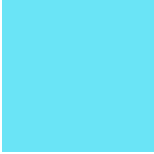
65.6119, 0.3029, 0.5977

### Protanopia

63.9261, 0.4404, 0.4885

### Deuteranopia

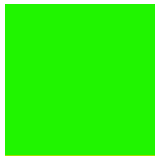
64.0328, 0.4288, 0.4249



## **Tritanopia**

65.2048, 0.2366, 0.3066

# Trichromacy



## Original Color

65.6119, 0.3029, 0.5977



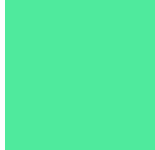
## Protanomaly

60.4567, 0.3712, 0.5435



## Deuteranomaly

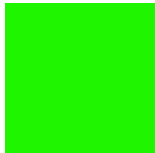
59.0177, 0.3711, 0.5064



## Tritanomaly

62.9422, 0.2696, 0.4381

# Monochromacy



## Original Color

65.6119, 0.3029, 0.5977



## Achromatopsia

31.8547, 0.3127, 0.3290



## Achromatomaly

39.2321, 0.3144, 0.4740

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.6119, 0.3029, 0.5977 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, 245, 0)` looks like.

```
.text, #text, p{  
    color:rgb(32, 245, 0)  
}
```

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, 245, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 245, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 65.6119, 0.3029, 0.5977 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, 245, 0) }
```

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

```
.border{ border-color:rgb(32, 245, 0) }
```

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

Here you see how a box with a 4 pixel rgb(32, 245, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 245, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 245, 0);  
box-shadow:4px 4px 4px 4px rgb(32, 245, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 65.6119, 0.3029, 0.5977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 245, 0) }
```

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

```
.background{ background-color: rgb(32, 245,  
0) }
```

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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