

# Converting Colors

$Yxy(65.0280, 0.2869, 0.5284)$

Have a look what the booklet for  
Yxy(65.0280, 0.2869, 0.5284)  
contains.

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# Color

**Yxy(65.0773, 0.2868, 0.5284)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31F264
RGB	49, 242, 100
RGB Percent	19%, 95%, 39%
CMY	0.8076, 0.0510, 0.6078
CMYK	0.80, 0.00, 0.59, 0.05
HSL	136°, 88%, 57%
HSV	136°, 80%, 95%
XYZ	35.3220, 65.0773, 22.7598
YIQ	168.1050, -69.4460, -85.0780

# Conversions

## Conversions Part 2

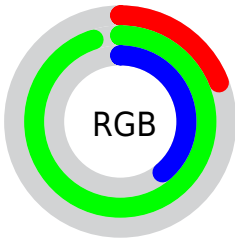
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 202, 242
Decimal	3273316
CIELab	84.52, -73.81, 54.62
CIELCh	85, 91.825, 143.499
Yxy	65.0773, 0.2868, 0.5284
Android (android.graphics.Color)	4281463396 (0xFF31F264)
YUV	168.1050, -33.5758, -104.4551
Hunter-Lab	80.6705, -63.0161, 39.7417

# Details

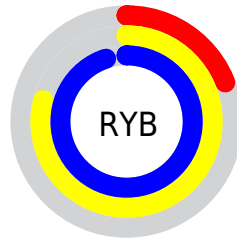
The Yxy color **65.0773, 0.2868, 0.5284** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **24.8440, 0.3813, 0.2010**, and the grayscale version is **39.4180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3986, 0.2927, 0.4550**, and **34.4704, 0.2921, 0.5717** is the 20% darker color. If you saturate the color by 10%, you get **64.3222, 0.2887, 0.5513**, and if you desaturate by 10%, it is **66.2358, 0.2864, 0.5022**.

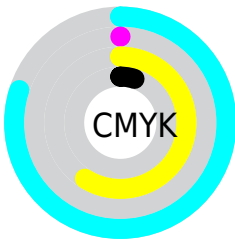
# Distribution



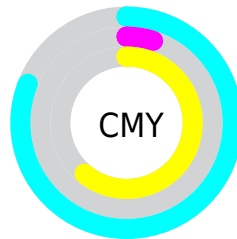
- Red (19%)
- Green (95%)
- Blue (39%)



- Red (19%)
- Yellow (79%)
- Blue (95%)



- Cyan (80%)
- Magenta (0%)
- Yellow (59%)
- Black (5%)




- Cyan (81%)
- Magenta (5%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.0773, 0.2868, 0.5284 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 65.0773, 0.2868, 0.5284 by changing the saturation by 10% instead.





 65.0773, 0.2868,  
0.5284


 65.0773, 0.2868,  
0.5284


443.0697, 0.3052,  
0.4260


 47.5238, 0.2806,  
0.5538


 112.1610, 0.2947,  
0.4911

 33.4499, 0.2718,  
0.5859


 142.4599, 0.2974,  
0.4771

 22.4713, 0.2588,  
0.6271


 177.7761, 0.2994,  
0.4652

 14.2036, 0.2387,  
0.6811

 218.4940, 0.3011,  
0.4551

 8.2624, 0.2086,  
0.7598

264.9978, 0.3024,  
0.4463

 4.2633, 0.1544,  
0.8456

317.6722, 0.3035,

 1.8219, 0.0000,

0.4387

1.0000

376.9013, 0.3044,  
0.4319

■ 0.5008, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 65.0773, 0.2868,  
0.5284

■ 65.0773, 0.2868,  
0.5284

■ 64.3222, 0.2887,  
0.5513

■ 66.2358, 0.2864,  
0.5022

■ 63.8838, 0.2917,  
0.5699

■ 67.8394, 0.2876,  
0.4742


■ 63.8738, 0.2918,  
0.5703


■ 69.9332, 0.2901,  
0.4458

■ 72.5541, 0.2937,  
0.4182

 75.7359, 0.2981,  
0.3923

 79.5091, 0.3028,  
0.3686

 83.9022, 0.3078,  
0.3474

 88.9418, 0.3129,  
0.3285

 91.9848, 0.3133,  
0.3165

# Harmonies

## Analogous

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



65.0773, 0.3885, 0.5327



65.0773, 0.2868, 0.5284



65.0773, 0.1971, 0.4216

# Triad

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



65.0773, 0.2868, 0.5284



65.0773, 0.1535, 0.1737



65.0773, 0.5135, 0.3171

# Complementary

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



65.0773, 0.2868, 0.5284



24.8440, 0.3813, 0.2010

# 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.



65.0773, 0.4233, 0.2511



65.0773, 0.2868, 0.5284



65.0773, 0.2096, 0.1729

# Square

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



65.0773, 0.2868, 0.5284



65.0773, 0.1324, 0.2087



65.0773, 0.3047, 0.2000



65.0773, 0.5295, 0.3901



# Rectangle

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



65.0773, 0.2868, 0.5284



65.0773, 0.1575, 0.3311



65.0773, 0.3047, 0.2000



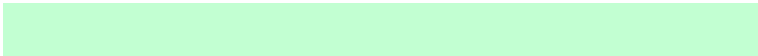
65.0773, 0.4904, 0.2941

# Sweetspot

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



65.0800, 0.2868, 0.5284



87.6141, 0.3007, 0.3786



75.1658, 0.3779, 0.5212



18.4340, 0.2990, 0.3872



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.



65.0800, 0.2868, 0.5284



72.0917, 0.2906, 0.5640



68.0442, 0.2476, 0.3943



17.7249, 0.3080, 0.3469



34.3324, 0.2910, 0.5677



2.8720, 0.2840, 0.5423



# Inverse Universe

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



24.8440, 0.3813, 0.2010



25.2147, 0.3990, 0.1985



21.9488, 0.5294, 0.2913



15.9560, 0.3178, 0.3118



11.8936, 0.4013, 0.1984

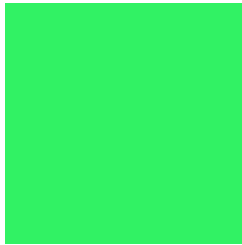


1.0057, 0.3883, 0.1913



# Previews

## White Background



This preview shows how the Yxy color 65.0773, 0.2868, 0.5284 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 65.0773, 0.2868, 0.5284 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 65.0773, 0.2868, 0.5284**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.0773, 0.2868, 0.5284.

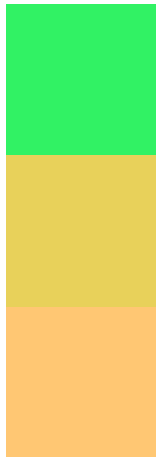


This preview shows how white text looks on a background with the Yxy color 65.0773, 0.2868, 0.5284.

# 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

65.0773, 0.2868, 0.5284

### Protanopia

63.4949, 0.4129, 0.4526

### Deuteranopia

63.3447, 0.4229, 0.4136



## Tritanopia

64.5340, 0.2364, 0.3065

# Trichromacy



## Original Color

65.0773, 0.2868, 0.5284



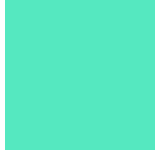
## Protanomaly

60.5204, 0.3502, 0.4885



## Deuteranomaly

59.4300, 0.3556, 0.4601



## Tritanomaly

63.4503, 0.2545, 0.3835

# Monochromacy



## Original Color

65.0773, 0.2868, 0.5284



## Achromatopsia

39.1572, 0.3127, 0.3290



## Achromatomaly

45.3734, 0.2958, 0.4076

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.0773, 0.2868, 0.5284 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(49, 242, 100)` looks like.

```
.text, #text, p{  
    color:rgb(49, 242, 100)  
}
```

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(49, 242, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 242, 100) }
```

## Border

The CSS property to change the border of an element to Yxy 65.0773, 0.2868, 0.5284 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(49, 242, 100) }
```

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

```
.border{ border-color:rgb(49, 242, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 242, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 242, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 242, 100);  
box-shadow:4px 4px 4px 4px rgb(49, 242,  
100) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.0773, 0.2868, 0.5284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 242, 100) }
```

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

```
.background{ background-color: rgb(49, 242,  
100) }
```

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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