

# Converting Colors

$Y_{xy}(65.5039, 0.2638, 0.4697)$

Have a look what the booklet for  
Yxy(65.5039, 0.2638, 0.4697)  
contains.

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# Color

**Yxy(65.5179, 0.2639, 0.4700)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00F290
RGB	0, 242, 144
RGB Percent	0%, 95%, 56%
CMY	0.9994, 0.0510, 0.4353
CMYK	1.00, 0.00, 0.40, 0.05
HSL	156°, 100%, 47%
HSV	156°, 100%, 95%
XYZ	36.7876, 65.5179, 37.0943
YIQ	158.4700, -112.7740, -81.7820

# Conversions

## Conversions Part 2

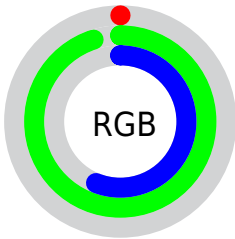
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 152, 242
Decimal	62096
CIELab	84.75, -69.88, 34.02
CIELCh	85, 77.726, 154.041
Yxy	65.5179, 0.2639, 0.4700
Android (android.graphics.Color)	4278252176 (0xFF00F290)
YUV	158.4700, -7.1337, -138.9782
Hunter-Lab	80.9431, -60.5245, 29.4890

# Details

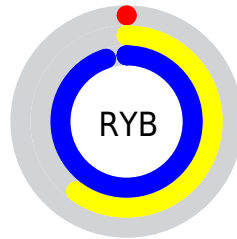
The Yxy color **65.5179, 0.2639, 0.4700** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **19.7656, 0.5396, 0.2747**, and the grayscale version is **34.5107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0883, 0.2659, 0.3987**, and **35.0537, 0.2724, 0.5007** is the 20% darker color. If you saturate the color by 10%, you get **65.5177, 0.2639, 0.4701**, and if you desaturate by 10%, it is **66.0311, 0.2614, 0.4547**.

# Distribution



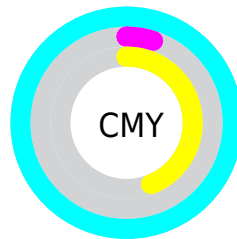
- Red (0%)
- Green (95%)
- Blue (56%)



- Red (0%)
- Yellow (60%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (5%)




- Cyan (100%)
- Magenta (5%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.5179, 0.2639, 0.4700 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 65.5179, 0.2639, 0.4700 by changing the saturation by 10% instead.




 65.5179, 0.2639,  
0.4700


 65.5179, 0.2639,  
0.4700


444.6507, 0.2898,  
0.3980


 47.8811, 0.2571,  
0.4882


 112.7941, 0.2736,  
0.4436


 33.7328, 0.2482,  
0.5115


 143.2024, 0.2771,  
0.4338


 22.6884, 0.2361,  
0.5424


 178.6366, 0.2801,  
0.4254

 14.3636, 0.2191,  
0.5849

 219.4811, 0.2826,  
0.4183

 8.3740, 0.1935,  
0.6459

 266.1204, 0.2848,  
0.4122

 4.3352, 0.1540,  
0.7424


318.9389, 0.2867,

 1.8628, 0.0000,


0.4069


1.0000


378.3208, 0.2883,  
0.4021


 0.5258, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 65.5179, 0.2639,  
0.4700


 65.5179, 0.2639,  
0.4700

 65.5177, 0.2639,  
0.4701

 66.0311, 0.2614,  
0.4547

 66.8142, 0.2606,  
0.4389

 67.9461, 0.2618,  
0.4229

 69.4729, 0.2651,  
0.4071

■ 71.4335, 0.2702,  
0.3917

■ 73.8618, 0.2769,  
0.3770

■ 76.7882, 0.2848,  
0.3633

■ 80.2406, 0.2936,  
0.3507

■ 84.2448, 0.3030,  
0.3392

# Harmonies

## Analogous

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



65.5179, 0.3526, 0.5092



65.5179, 0.2639, 0.4700



65.5179, 0.1936, 0.3674

# Triad

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



65.5179, 0.2639, 0.4700



65.5179, 0.1869, 0.1893



65.5179, 0.4967, 0.3451

# Complementary

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



65.5179, 0.2639, 0.4700



19.7656, 0.5396, 0.2747

# 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.



65.5179, 0.4389, 0.2821



65.5179, 0.2639, 0.4700



65.5179, 0.2496, 0.1972

# Square

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



65.5179, 0.2639, 0.4700



65.5179, 0.1568, 0.2107



65.5179, 0.3419, 0.2299



65.5179, 0.4916, 0.4125



# Rectangle

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



65.5179, 0.2639, 0.4700



65.5179, 0.1658, 0.2980



65.5179, 0.3419, 0.2299



65.5179, 0.4841, 0.3234

# Sweetspot

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



65.5205, 0.2639, 0.4700



86.4262, 0.2847, 0.3635



66.2683, 0.3249, 0.5802



18.1862, 0.2812, 0.3692



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

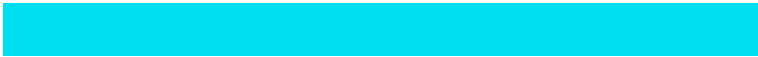
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.5205, 0.2639, 0.4700



73.7764, 0.2640, 0.4705



58.5739, 0.2173, 0.3023



17.8142, 0.3035, 0.3387



35.2236, 0.2632, 0.4676



2.9499, 0.2576, 0.4473



# Inverse Universe

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



19.7656, 0.5396, 0.2747



22.2458, 0.5405, 0.2751



19.3892, 0.6350, 0.3339



15.8650, 0.3230, 0.3195



10.6407, 0.5356, 0.2724

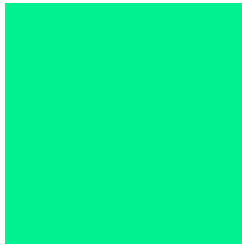


0.9044, 0.5010, 0.2534



# Previews

## White Background



This preview shows how the Yxy color 65.5179, 0.2639, 0.4700 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 65.5179, 0.2639, 0.4700 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

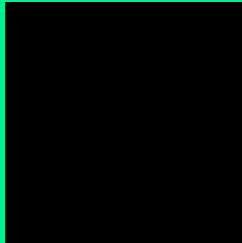
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.5179, 0.2639, 0.4700**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.5179, 0.2639, 0.4700.

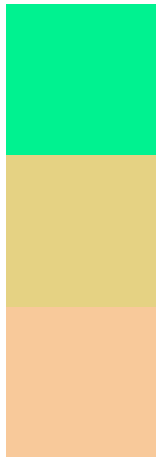


This preview shows how white text looks on a background with the Yxy color 65.5179, 0.2639, 0.4700.

# 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

65.5179, 0.2639, 0.4700

### Protanopia

64.3899, 0.3845, 0.4165

### Deuteranopia

64.0628, 0.3872, 0.3791



## Tritanopia

65.4456, 0.2307, 0.3065

# Trichromacy



## Original Color

65.5179, 0.2639, 0.4700



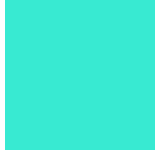
## Protanomaly

60.1311, 0.3137, 0.4447



## Deuteranomaly

58.5828, 0.3141, 0.4167



## Tritanomaly

64.3395, 0.2396, 0.3611

# Monochromacy



## Original Color

65.5179, 0.2639, 0.4700



## Achromatopsia

34.6704, 0.3127, 0.3290



## Achromatomaly

41.4950, 0.2724, 0.3845

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.5179, 0.2639, 0.4700 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(0, 242, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 144)  
}
```

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(0, 242, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 65.5179, 0.2639, 0.4700 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(0, 242, 144) }
```

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

```
.border{ border-color:rgb(0, 242, 144) }
```

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

Here you see how a box with a 4 pixel rgb(0, 242, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
144) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.5179, 0.2639, 0.4700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 144) }
```

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

```
.background{ background-color: rgb(0, 242,  
144) }
```

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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