

# Converting Colors

$Yxy(65.9423, 0.2600, 0.4557)$

Have a look what the booklet for  
Yxy(65.9423, 0.2600, 0.4557)  
contains.

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# Color

**Yxy(65.8438, 0.2598, 0.4549)**

# Conversions

## Conversions Part 1

Format	Color
Hex	02F29A
RGB	2, 242, 154
RGB Percent	1%, 95%, 60%
CMY	0.9928, 0.0510, 0.3961
CMYK	0.99, 0.00, 0.36, 0.05
HSL	158°, 98%, 48%
HSV	158°, 99%, 95%
XYZ	37.6044, 65.8438, 41.2953
YIQ	160.2080, -114.7920, -78.2480

# Conversions

## Conversions Part 2

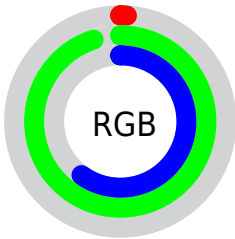
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	2, 149, 242
Decimal	193178
CIE Lab	84.92, -67.93, 29.22
CIE LCh	85, 73.946, 156.720
Yxy	65.8438, 0.2598, 0.4549
Android (android.graphics.Color)	4278383258 (0xFF02F29A)
YUV	160.2080, -3.0605, -138.7484
Hunter-Lab	81.1442, -59.2807, 26.6275

# Details

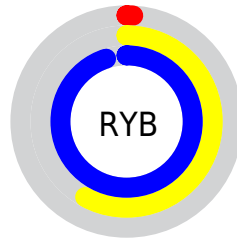
The Yxy color **65.8438, 0.2598, 0.4549** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **19.6518, 0.5534, 0.2826**, and the grayscale version is **35.2831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5682, 0.2614, 0.3856**, and **35.2403, 0.2672, 0.4819** is the 20% darker color. If you saturate the color by 10%, you get **65.8122, 0.2600, 0.4560**, and if you desaturate by 10%, it is **66.3611, 0.2577, 0.4410**.

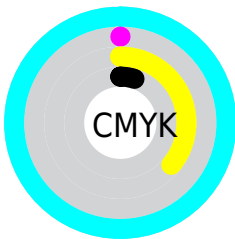
# Distribution



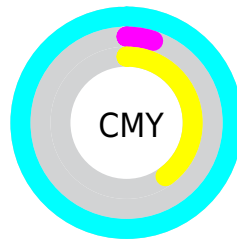
- Red (1%)
- Green (95%)
- Blue (60%)



- Red (1%)
- Yellow (58%)
- Blue (95%)



- Cyan (99%)
- Magenta (0%)
- Yellow (36%)
- Black (5%)




- Cyan (99%)
- Magenta (5%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.8438, 0.2598, 0.4549 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 65.8438, 0.2598, 0.4549 by changing the saturation by 10% instead.





 65.8438, 0.2598,  
0.4549


 65.8438, 0.2598,  
0.4549


445.8181, 0.2870,  
0.3910

 48.1456, 0.2529,  
0.4710


 113.2621, 0.2698,  
0.4315


 33.9422, 0.2440,  
0.4916


 143.7510, 0.2735,  
0.4228


 22.8492, 0.2321,  
0.5189


 179.2723, 0.2766,  
0.4154

 14.4822, 0.2155,  
0.5566

 220.2104, 0.2793,  
0.4091

 8.4568, 0.1912,  
0.6112

 266.9496, 0.2816,  
0.4036

 4.3886, 0.1535,  
0.6946

319.8743, 0.2836,

 1.8932, 0.0000,

0.3989

1.0000

379.3690, 0.2854,  
0.3947

■ 0.5443, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 65.8438, 0.2598,  
0.4549

■ 65.8438, 0.2598,  
0.4549


■ 65.8122, 0.2600,  
0.4560


■ 66.3611, 0.2577,  
0.4410


■ 67.1539, 0.2573,  
0.4267


■ 68.2945, 0.2591,  
0.4124


■ 69.8281, 0.2628,  
0.3982

 71.7929, 0.2684,  
0.3844

 74.2225, 0.2755,  
0.3713

 77.1471, 0.2839,  
0.3591

 80.5941, 0.2933,  
0.3478

 84.5891, 0.3032,  
0.3376

# Harmonies

## Analogous

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



65.8438, 0.3443, 0.4997



65.8438, 0.2598, 0.4549



65.8438, 0.1946, 0.3565

# Triad

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



65.8438, 0.2598, 0.4549



65.8438, 0.1962, 0.1946



65.8438, 0.4899, 0.3513

# Complementary

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



65.8438, 0.2598, 0.4549



19.6518, 0.5534, 0.2826

# 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.



65.8438, 0.4397, 0.2897



65.8438, 0.2598, 0.4549



65.8438, 0.2596, 0.2043

# Square

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



65.8438, 0.2598, 0.4549



65.8438, 0.1642, 0.2129



65.8438, 0.3494, 0.2379



65.8438, 0.4810, 0.4163



# Rectangle

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



65.8438, 0.2598, 0.4549



65.8438, 0.1696, 0.2924



65.8438, 0.3494, 0.2379



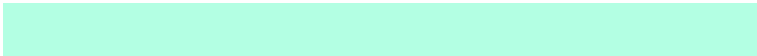
65.8438, 0.4796, 0.3302

# Sweetspot

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



65.8464, 0.2598, 0.4549



86.5885, 0.2832, 0.3601



65.6741, 0.3198, 0.5839



18.2249, 0.2795, 0.3652



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.



65.8464, 0.2598, 0.4549



74.1130, 0.2601, 0.4563



52.5029, 0.2128, 0.2859



17.8250, 0.3030, 0.3378



35.3835, 0.2594, 0.4536



2.9627, 0.2542, 0.4353



# Inverse Universe

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



19.6518, 0.5534, 0.2826



22.0581, 0.5562, 0.2838



20.0164, 0.6286, 0.3383



15.8546, 0.3236, 0.3204



10.5496, 0.5512, 0.2810



0.8962, 0.5151, 0.2611



# Previews

## White Background



This preview shows how the Yxy color 65.8438, 0.2598, 0.4549 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 65.8438, 0.2598, 0.4549 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

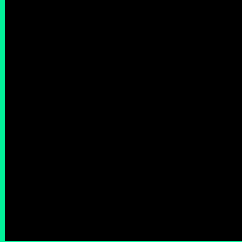
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

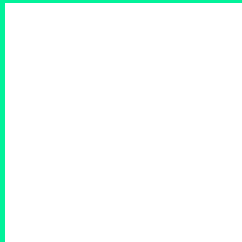
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.8438, 0.2598, 0.4549**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.8438, 0.2598, 0.4549.

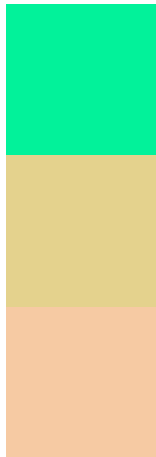


This preview shows how white text looks on a background with the Yxy color 65.8438, 0.2598, 0.4549.

# 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

65.8503, 0.2598, 0.4549

### Protanopia

64.5103, 0.3768, 0.4061

### Deuteranopia

64.4782, 0.3781, 0.3709



## Tritanopia

65.4116, 0.2297, 0.3052

# Trichromacy



## Original Color

65.8503, 0.2598, 0.4549



## Protanomaly

60.4289, 0.3079, 0.4311



## Deuteranomaly

59.3319, 0.3071, 0.4044



## Tritanomaly

64.5129, 0.2377, 0.3555

# Monochromacy



## Original Color

65.8503, 0.2598, 0.4549



## Achromatopsia

35.1533, 0.3127, 0.3290



## Achromatomaly

42.1203, 0.2707, 0.3792

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.8438, 0.2598, 0.4549 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(2, 242, 154)` looks like.

```
.text, #text, p{  
    color:rgb(2, 242, 154)  
}
```

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(2, 242, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 242, 154) }
```

## Border

The CSS property to change the border of an element to Yxy 65.8438, 0.2598, 0.4549 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(2, 242, 154) }
```

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

```
.border{ border-color:rgb(2, 242, 154) }
```

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

Here you see how a box with a 4 pixel rgb(2, 242, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 242, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 242, 154);  
box-shadow:4px 4px 4px 4px rgb(2, 242,  
154) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.8438, 0.2598, 0.4549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 242, 154) }
```

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

```
.background{ background-color: rgb(2, 242,  
154) }
```

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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