

# Converting Colors

$Yxy(69.6406, 0.2549, 0.4362)$

Have a look what the booklet for  
Yxy(69.6406, 0.2549, 0.4362)  
contains.

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# Color

**Yxy(69.4754, 0.2548, 0.4359)**

# Conversions

## Conversions Part 1

| Format      | Color                         |
|-------------|-------------------------------|
| Hex         | 07F7AA                        |
| RGB         | 7, 247, 170                   |
| RGB Percent | 3%, 97%, 67%                  |
| CMY         | 0.9707, 0.0313, 0.3333        |
| CMYK        | 0.97, 0.00, 0.31, 0.03        |
| HSL         | 161°, 94%, 50%                |
| HSV         | 161°, 97%, 97%                |
| XYZ         | 40.6110, 69.4754, 49.2974     |
| YIQ         | 166.4620, -118.3230, -74.8270 |

# Conversions

## Conversions Part 2

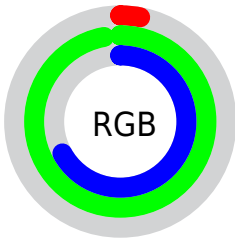
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 7, 150, 247                    |
| Decimal                             | 522154                         |
| CIELab                              | 86.74, -66.25, 23.56           |
| CIELCh                              | 87, 70.313, 160.421            |
| Yxy                                 | 69.4754, 0.2548,<br>0.4359     |
| Android<br>(android.graphics.Color) | 4278712234<br>(0xFF07F7AA)     |
| YUV                                 | 166.4620, 1.7442,<br>-139.8482 |
| Hunter-Lab                          | 83.3519, -58.8965,<br>23.2800  |

# Details

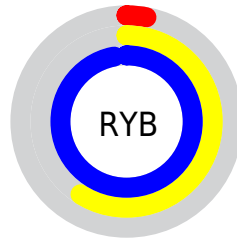
The Yxy color **69.4754, 0.2548, 0.4359** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **20.5858, 0.5643, 0.2900**, and the grayscale version is **38.4774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6558, 0.2550, 0.3637**, and **37.6795, 0.2609, 0.4592** is the 20% darker color. If you saturate the color by 10%, you get **69.3399, 0.2554, 0.4396**, and if you desaturate by 10%, it is **70.0495, 0.2534, 0.4237**.

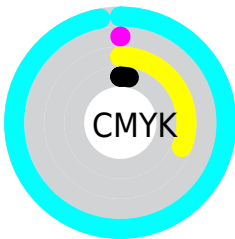
# Distribution



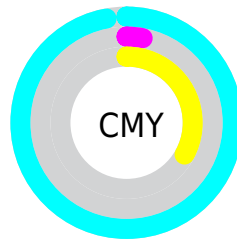
- Red (3%)
- Green (97%)
- Blue (67%)



- Red (3%)
- Yellow (59%)
- Blue (97%)



- Cyan (97%)
- Magenta (0%)
- Yellow (31%)
- Black (3%)



- Cyan (97%)
- Magenta (3%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.4754, 0.2548, 0.4359 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 69.4754, 0.2548, 0.4359 by changing the saturation by 10% instead.




 69.4754, 0.2548,  
0.4359

 69.4754, 0.2548,  
0.4359

458.7059, 0.2834,  
0.3826


 51.0990, 0.2478,  
0.4491


 118.4603, 0.2651,  
0.4166


 36.2874, 0.2390,  
0.4659


 149.8376, 0.2690,  
0.4093


 24.6562, 0.2275,  
0.4879


 186.3173, 0.2723,  
0.4032

 15.8211, 0.2120,  
0.5181

 228.2839, 0.2751,  
0.3979

 9.3977, 0.1899,  
0.5615

 276.1216, 0.2776,  
0.3933

 5.0015, 0.1568,  
0.6280

330.2149, 0.2797,

 2.2481, 0.0522,

0.3893

0.8138

390.9482, 0.2817,  
0.3857

■ 0.7460, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 69.4754, 0.2548,  
0.4359

■ 69.4754, 0.2548,  
0.4359


■ 69.3399, 0.2554,  
0.4396


■ 70.0495, 0.2534,  
0.4237

■ 70.9339, 0.2539,  
0.4112

■ 72.1895, 0.2564,  
0.3988


■ 73.8618, 0.2610,  
0.3865

 75.9894, 0.2673,  
0.3747

 78.6068, 0.2752,  
0.3635

 81.7447, 0.2844,  
0.3530

 85.4314, 0.2944,  
0.3434

 89.6931, 0.3051,  
0.3346

# Harmonies

## Analogous

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



69.4754, 0.3337, 0.4864



69.4754, 0.2548, 0.4359



69.4754, 0.1961, 0.3434

# Triad

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



69.4754, 0.2548, 0.4359



69.4754, 0.2086, 0.2016



69.4754, 0.4807, 0.3591

# Complementary

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



69.4754, 0.2548, 0.4359



20.5858, 0.5643, 0.2900

# 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.



69.4754, 0.4398, 0.2994



69.4754, 0.2548, 0.4359



69.4754, 0.2725, 0.2137

# Square

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



69.4754, 0.2548, 0.4359



69.4754, 0.1742, 0.2159



69.4754, 0.3585, 0.2483



69.4754, 0.4670, 0.4206



# Rectangle

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



69.4754, 0.2548, 0.4359



69.4754, 0.1747, 0.2859



69.4754, 0.3585, 0.2483



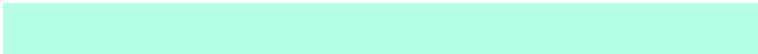
69.4754, 0.4731, 0.3387

# Sweetspot

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



69.4781, 0.2548, 0.4359



87.1320, 0.2824, 0.3551



68.5856, 0.3176, 0.5845



18.3372, 0.2784, 0.3596



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.



69.4781, 0.2548, 0.4359



74.5378, 0.2555, 0.4398



51.4319, 0.2103, 0.2758



18.6619, 0.3023, 0.3367



36.6952, 0.2549, 0.4375



3.2439, 0.2506, 0.4222



# Inverse Universe

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



20.5858, 0.5643, 0.2900



21.8689, 0.5734, 0.2932



21.8570, 0.6196, 0.3434



16.5703, 0.3243, 0.3214



10.7825, 0.5686, 0.2906

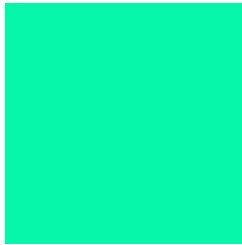


0.9657, 0.5334, 0.2712



# Previews

## White Background



This preview shows how the Yxy color 69.4754, 0.2548, 0.4359 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 69.4754, 0.2548, 0.4359 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

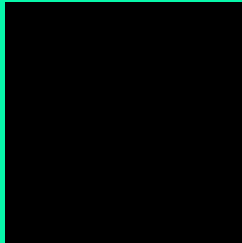
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.4754, 0.2548, 0.4359**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.4754, 0.2548, 0.4359.

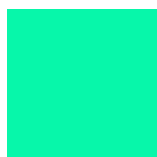


This preview shows how white text looks on a background with the Yxy color 69.4754, 0.2548, 0.4359.

# Color Blindness Simulation

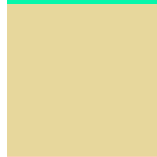
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



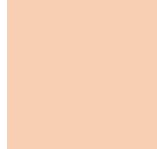
### Original Color

69.4690, 0.2548, 0.4359



### Protanopia

67.9901, 0.3667, 0.3942



### Deuteranopia

67.8368, 0.3657, 0.3587



## Tritanopia

69.2371, 0.2295, 0.3058

# Trichromacy



## Original Color

69.4690, 0.2548, 0.4359



## Protanomaly

63.9954, 0.3016, 0.4153



## Deuteranomaly

62.9542, 0.2998, 0.3880



## Tritanomaly

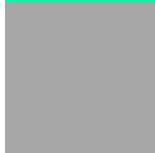
68.6015, 0.2362, 0.3495

# Monochromacy



## Original Color

69.4690, 0.2548, 0.4359



## Achromatopsia

38.6429, 0.3127, 0.3290



## Achromatomaly

45.5582, 0.2697, 0.3711

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.4754, 0.2548, 0.4359 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(7, 247, 170)` looks like.

```
.text, #text, p{  
    color:rgb(7, 247, 170)  
}
```

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(7, 247, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 247, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 69.4754, 0.2548, 0.4359 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(7, 247, 170) }
```

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

```
.border{ border-color:rgb(7, 247, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 247, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 247, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 247, 170);  
box-shadow:4px 4px 4px 4px rgb(7, 247,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.4754, 0.2548, 0.4359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 247, 170) }
```

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

```
.background{ background-color: rgb(7, 247,  
170) }
```

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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