

# Converting Colors

Yxy(68.2741, 0.2518, 0.4263)

Have a look what the booklet for  
Yxy(68.2741, 0.2518, 0.4263)  
contains.

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# Color

**Yxy(68.4064, 0.2518, 0.4264)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00F5AF
RGB	0, 245, 175
RGB Percent	0%, 96%, 69%
CMY	0.9985, 0.0392, 0.3138
CMYK	1.00, 0.00, 0.29, 0.04
HSL	163°, 100%, 48%
HSV	163°, 100%, 96%
XYZ	40.3957, 68.4064, 51.6257
YIQ	163.7650, -123.5500, -73.7100

# Conversions

## Conversions Part 2

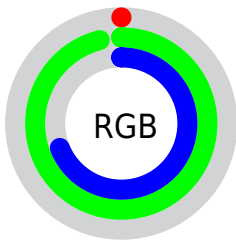
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 143, 245
Decimal	62895
CIELab	86.21, -64.63, 20.27
CIELCh	86, 67.735, 162.589
Yxy	68.4064, 0.2518, 0.4264
Android (android.graphics.Color)	4278252975 (0xFF00F5AF)
YUV	163.7650, 5.5389, -143.6219
Hunter-Lab	82.7082, -57.5576, 20.8875

# Details

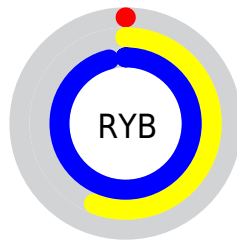
The Yxy color **68.4064, 0.2518, 0.4264** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **19.8701, 0.5849, 0.2997**, and the grayscale version is **37.0833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8002, 0.2522, 0.3575**, and **36.9458, 0.2575, 0.4470** is the 20% darker color. If you saturate the color by 10%, you get **68.4024, 0.2518, 0.4266**, and if you desaturate by 10%, it is **68.8946, 0.2503, 0.4156**.

# Distribution



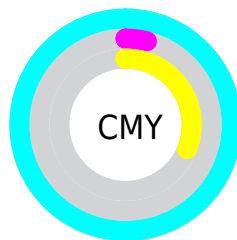
- Red (0%)
- Green (96%)
- Blue (69%)



- Red (0%)
- Yellow (56%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (4%)




- Cyan (100%)
- Magenta (4%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.4064, 0.2518, 0.4264 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 68.4064, 0.2518, 0.4264 by changing the saturation by 10% instead.





 68.4064, 0.2518,  
0.4264


 68.4064, 0.2518,  
0.4264


454.9346, 0.2815,  
0.3779


 50.2284, 0.2446,  
0.4383


 116.9333, 0.2624,  
0.4089

 35.5949, 0.2356,  
0.4535


 148.0511, 0.2665,  
0.4023

 24.1215, 0.2239,  
0.4735


 184.2509, 0.2699,  
0.3967

 15.4238, 0.2081,  
0.5009

 225.9172, 0.2729,  
0.3919

 9.1173, 0.1860,  
0.5403

 273.4343, 0.2755,  
0.3877

 4.8178, 0.1531,  
0.6011


327.1866, 0.2777,


 2.1408, 0.0456,

0.3840

0.7631


387.5586, 0.2797,  
0.3808


 0.6874, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 68.4064, 0.2518,  
0.4264


 68.4064, 0.2518,  
0.4264


 68.4024, 0.2518,  
0.4266


 68.8946, 0.2503,  
0.4156


 69.6492, 0.2506,  
0.4047

 70.7499, 0.2529,  
0.3937


 72.2437, 0.2572,  
0.3829

 74.1702, 0.2633,  
0.3724

 76.5639, 0.2711,  
0.3623

 79.4559, 0.2803,  
0.3529

 82.8745, 0.2905,  
0.3441

 86.8459, 0.3015,  
0.3361

# Harmonies

## Analogous

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



68.4064, 0.3279, 0.4796



68.4064, 0.2518, 0.4264



68.4064, 0.1965, 0.3367

# Triad

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



68.4064, 0.2518, 0.4264



68.4064, 0.2150, 0.2049



68.4064, 0.4764, 0.3634

# Complementary

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



68.4064, 0.2518, 0.4264



19.8701, 0.5849, 0.2997

# 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.



68.4064, 0.4403, 0.3046



68.4064, 0.2518, 0.4264



68.4064, 0.2794, 0.2184

# Square

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



68.4064, 0.2518, 0.4264



68.4064, 0.1792, 0.2171



68.4064, 0.3635, 0.2536



68.4064, 0.4601, 0.4230



# Rectangle

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



68.4064, 0.2518, 0.4264



68.4064, 0.1770, 0.2824



68.4064, 0.3635, 0.2536



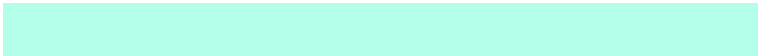
68.4064, 0.4703, 0.3433

# Sweetspot

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



68.4091, 0.2518, 0.4264



86.9333, 0.2801, 0.3531



66.7594, 0.3131, 0.5895



18.3073, 0.2761, 0.3570



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.



68.4091, 0.2518, 0.4264



74.8978, 0.2519, 0.4268



46.1139, 0.2062, 0.2624



18.6722, 0.3019, 0.3359



36.8709, 0.2513, 0.4248



3.2583, 0.2476, 0.4112



# Inverse Universe

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



19.8701, 0.5849, 0.2997



21.7409, 0.5859, 0.3001



21.6376, 0.6198, 0.3459



16.5605, 0.3248, 0.3222



10.7175, 0.5812, 0.2975

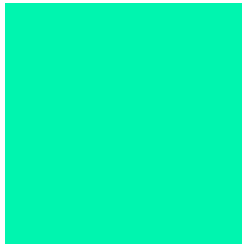


0.9590, 0.5458, 0.2780



# Previews

## White Background



This preview shows how the Yxy color 68.4064, 0.2518, 0.4264 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 68.4064, 0.2518, 0.4264 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

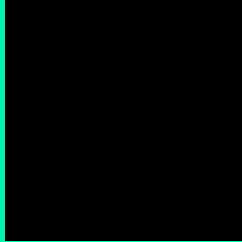
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.4064, 0.2518, 0.4264**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.4064, 0.2518, 0.4264.

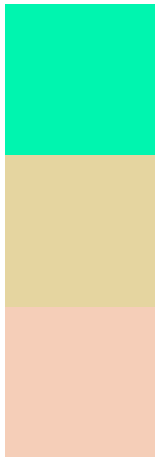


This preview shows how white text looks on a background with the Yxy color 68.4064, 0.2518, 0.4264.

# 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

68.4000, 0.2518, 0.4264

### Protanopia

66.7846, 0.3629, 0.3881

### Deuteranopia

67.0158, 0.3598, 0.3526



## Tritanopia

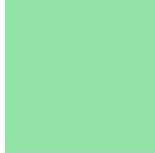
68.3217, 0.2281, 0.3056

# Trichromacy



## Original Color

68.4000, 0.2518, 0.4264



## Protanomaly

62.6780, 0.2968, 0.4082



## Deuteranomaly

61.5905, 0.2935, 0.3794



## Tritanomaly

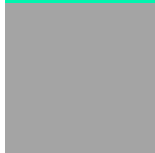
67.8993, 0.2344, 0.3470

# Monochromacy



## Original Color

68.4000, 0.2518, 0.4264



## Achromatopsia

37.1238, 0.3127, 0.3290



## Achromatomaly

43.9703, 0.2668, 0.3671

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.4064, 0.2518, 0.4264 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, 245, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 175)  
}
```

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, 245, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 68.4064, 0.2518, 0.4264 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, 245, 175) }
```

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

```
.border{ border-color:rgb(0, 245, 175) }
```

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

Here you see how a box with a 4 pixel rgb(0, 245, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 245,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.4064, 0.2518, 0.4264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 245, 175) }
```

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

```
.background{ background-color: rgb(0, 245,  
175) }
```

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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