

# Converting Colors

$Y_{xy}(68.2692, 0.2383, 0.3778)$

Have a look what the booklet for  
Yxy(68.2692, 0.2383, 0.3778)  
contains.

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# Color

**Yxy(68.5574, 0.2385, 0.3786)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00F3CE
RGB	0, 243, 206
RGB Percent	0%, 95%, 81%
CMY	1.0000, 0.0470, 0.1922
CMYK	1.00, 0.00, 0.15, 0.05
HSL	171°, 100%, 48%
HSV	171°, 100%, 95%
XYZ	43.1879, 68.5574, 69.3360
YIQ	166.1250, -132.9510, -63.0230

# Conversions

## Conversions Part 2

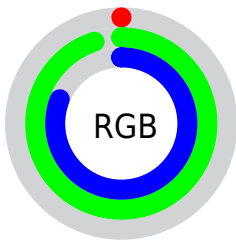
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 132, 243
Decimal	62414
CIELab	86.28, -56.49, 4.29
CIELCh	86, 56.648, 175.661
Yxy	68.5574, 0.2385, 0.3786
Android (android.graphics.Color)	4278252494 (0xFF00F3CE)
YUV	166.1250, 19.6584, -145.6916
Hunter-Lab	82.7994, -51.7939, 8.3102

# Details

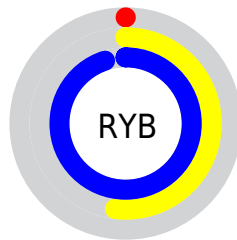
The Yxy color **68.5574, 0.2385, 0.3786** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **19.1896, 0.6219, 0.3199**, and the grayscale version is **38.1489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **37.3848, 0.2412, 0.3882** is the 20% darker color. If you saturate the color by 10%, you get **68.5606, 0.2385, 0.3786**, and if you desaturate by 10%, it is **68.9406, 0.2384, 0.3732**.

# Distribution



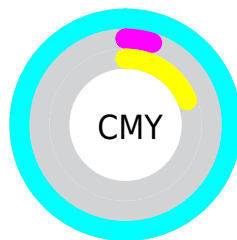
- Red (0%)
- Green (95%)
- Blue (81%)



- Red (0%)
- Yellow (52%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (5%)




- Cyan (100%)
- Magenta (5%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.5574, 0.2385, 0.3786 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 68.5574, 0.2385, 0.3786 by changing the saturation by 10% instead.




 68.5574, 0.2385,  
0.3786

 68.5574, 0.2385,  
0.3786


455.4684, 0.2731,  
0.3551


 50.3513, 0.2306,  
0.3841


 117.1492, 0.2505,  
0.3703

 35.6926, 0.2208,  
0.3909


 148.3037, 0.2552,  
0.3672

 24.1969, 0.2085,  
0.3997


 184.5432, 0.2592,  
0.3644

 15.4798, 0.1924,  
0.4113

 226.2520, 0.2627,  
0.3621

 9.1568, 0.1709,  
0.4272

 273.8145, 0.2658,  
0.3600

 4.8436, 0.1407,  
0.4504

327.6151, 0.2685,

 2.1558, 0.0772,

0.3582

0.4972

388.0383, 0.2709,  
0.3565

■ 0.6957, 0.0000,  
0.6031

■ 0.0000, 0.0000,  
0.0000

■ 68.5574, 0.2385,  
0.3786

■ 68.5574, 0.2385,  
0.3786


■ 68.5606, 0.2385,  
0.3786


■ 68.9406, 0.2384,  
0.3732


■ 69.5721, 0.2398,  
0.3678


■ 70.5323, 0.2431,  
0.3623

■ 71.8672, 0.2484,  
0.3569

 73.6154, 0.2556,  
0.3515

 75.8107, 0.2646,  
0.3464

 78.4835, 0.2751,  
0.3416

 81.6613, 0.2868,  
0.3370

 85.3698, 0.2994,  
0.3328

# Harmonies

## Analogous

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



68.5574, 0.2982, 0.4392



68.5574, 0.2385, 0.3786



68.5574, 0.2011, 0.3062

# Triad

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



68.5574, 0.2385, 0.3786



68.5574, 0.2511, 0.2246



68.5574, 0.4502, 0.3840

# Complementary

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



68.5574, 0.2385, 0.3786



19.1896, 0.6219, 0.3199

# 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.



68.5574, 0.4379, 0.3317



68.5574, 0.2385, 0.3786



68.5574, 0.3152, 0.2451

# Square

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



68.5574, 0.2385, 0.3786



68.5574, 0.2084, 0.2258



68.5574, 0.3861, 0.2829



68.5574, 0.4217, 0.4310



# Rectangle

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



68.5574, 0.2385, 0.3786



68.5574, 0.1916, 0.2673



68.5574, 0.3861, 0.2829



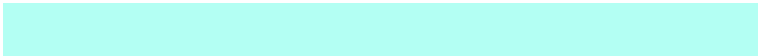
68.5574, 0.4510, 0.3666

# Sweetspot

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



68.5606, 0.2385, 0.3786



87.5361, 0.2750, 0.3416



64.5665, 0.3044, 0.5965



18.4526, 0.2704, 0.3436



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.



68.5606, 0.2385, 0.3786



76.4855, 0.2385, 0.3787



32.3137, 0.1928, 0.2141



18.7119, 0.3001, 0.3326



37.6424, 0.2383, 0.3777



3.3199, 0.2364, 0.3709



# Inverse Universe

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



19.1896, 0.6219, 0.3199



21.4055, 0.6223, 0.3202



24.9411, 0.5907, 0.3692



16.5237, 0.3270, 0.3254



10.5435, 0.6190, 0.3183

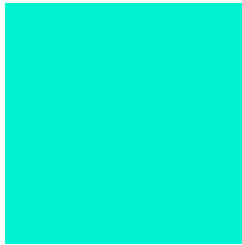


0.9387, 0.5887, 0.3017



# Previews

## White Background



This preview shows how the Yxy color 68.5574, 0.2385, 0.3786 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 68.5574, 0.2385, 0.3786 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

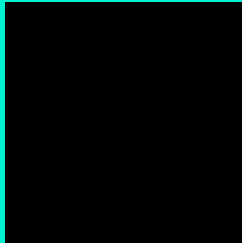
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

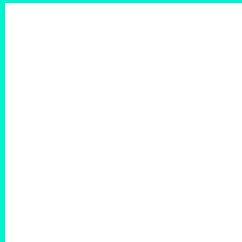
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.5574, 0.2385, 0.3786**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.5574, 0.2385, 0.3786.

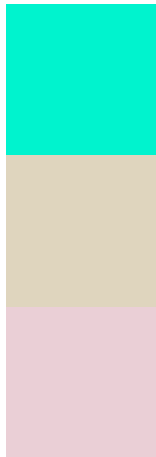


This preview shows how white text looks on a background with the Yxy color 68.5574, 0.2385, 0.3786.

# 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

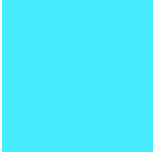
68.5574, 0.2385, 0.3786

### Protanopia

66.9942, 0.3364, 0.3548

### Deuteranopia

66.9731, 0.3283, 0.3215



## **Tritanopia**

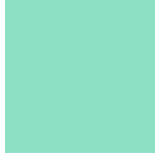
68.5505, 0.2257, 0.3055

# Trichromacy



## Original Color

68.5574, 0.2385, 0.3786



## Protanomaly

63.0476, 0.2766, 0.3651



## Deuteranomaly

62.2791, 0.2718, 0.3402



## Tritanomaly

68.4053, 0.2288, 0.3313

# Monochromacy



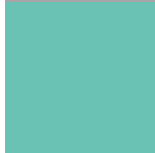
## Original Color

68.5574, 0.2385, 0.3786



## Achromatopsia

38.1326, 0.3127, 0.3290



## Achromatomaly

44.9839, 0.2599, 0.3482

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.5574, 0.2385, 0.3786 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, 243, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 243, 206)  
}
```

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, 243, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 243, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 68.5574, 0.2385, 0.3786 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, 243, 206) }
```

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

```
.border{ border-color:rgb(0, 243, 206) }
```

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

Here you see how a box with a 4 pixel rgb(0, 243, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 243, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 243, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 243,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.5574, 0.2385, 0.3786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 243, 206) }
```

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

```
.background{ background-color: rgb(0, 243,  
206) }
```

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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