

# Converting Colors

$Yxy(66.3852, 0.2392, 0.3810)$

Have a look what the booklet for  
Yxy(66.3852, 0.2392, 0.3810)  
contains.

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# Color

**Yxy(66.5437, 0.2395, 0.3821)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01F0C9
RGB	1, 240, 201
RGB Percent	0%, 94%, 79%
CMY	0.9980, 0.0588, 0.2118
CMYK	1.00, 0.00, 0.16, 0.06
HSL	170°, 100%, 47%
HSV	170°, 100%, 94%
XYZ	41.7095, 66.5437, 65.8993
YIQ	164.0930, -129.9250, -62.7970

# Conversions

## Conversions Part 2

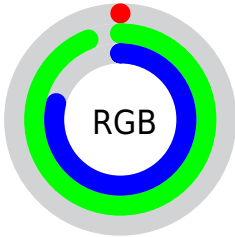
<b>Format</b>	<b>Color</b>
<b>RYB</b>	1, 131, 240
Decimal	127177
CIELab	85.27, -56.56, 5.43
CIELCh	85, 56.824, 174.513
Yxy	66.5437, 0.2395, 0.3821
Android (android.graphics.Color)	4278317257 (0xFF01F0C9)
YUV	164.0930, 18.1952, -143.0326
Hunter-Lab	81.5743, -51.4867, 9.2049

# Details

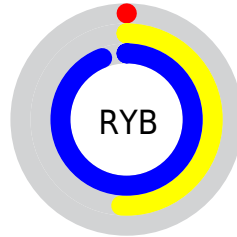
The Yxy color **66.5437, 0.2395, 0.3821** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **18.6882, 0.6191, 0.3186**, and the grayscale version is **37.0583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **35.9736, 0.2425, 0.3929** is the 20% darker color. If you saturate the color by 10%, you get **66.5390, 0.2395, 0.3822**, and if you desaturate by 10%, it is **66.9299, 0.2393, 0.3763**.

# Distribution



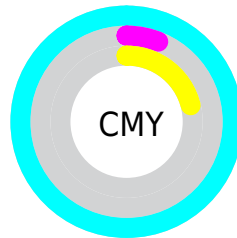
- Red (0%)
- Green (94%)
- Blue (79%)



- Red (0%)
- Yellow (51%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (6%)




- Cyan (100%)
- Magenta (6%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.5437, 0.2395, 0.3821 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 66.5437, 0.2395, 0.3821 by changing the saturation by 10% instead.





 66.5437, 0.2395,  
0.3821


 66.5437, 0.2395,  
0.3821


448.3188, 0.2739,  
0.3567


 48.7139, 0.2316,  
0.3881


 114.2663, 0.2515,  
0.3731

 34.3926, 0.2217,  
0.3957


 144.9280, 0.2562,  
0.3697


 23.1954, 0.2093,  
0.4054


 180.6356, 0.2602,  
0.3667

 14.7378, 0.1929,  
0.4183

 221.7738, 0.2636,  
0.3641

 8.6356, 0.1708,  
0.4364

 268.7268, 0.2667,  
0.3619

 4.5043, 0.1396,  
0.4631


321.8790, 0.2694,

 1.9595, 0.0605,

0.3600


0.5243


381.6149, 0.2717,  
0.3582


 0.5838, 0.0000,  
0.6954


 0.0000, 0.0000,  
0.0000


 66.5437, 0.2395,  
0.3821


 66.5437, 0.2395,  
0.3821

 66.5390, 0.2395,  
0.3822

 66.9299, 0.2393,  
0.3763

 67.5614, 0.2407,  
0.3704

 68.5139, 0.2440,  
0.3646

 69.8318, 0.2492,  
0.3587

■ 71.5526, 0.2564,  
0.3530

■ 73.7088, 0.2653,  
0.3475

■ 76.3298, 0.2757,  
0.3423

■ 79.4425, 0.2873,  
0.3375

■ 83.0715, 0.2999,  
0.3330

# Harmonies

## Analogous

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



66.5437, 0.3005, 0.4425



66.5437, 0.2395, 0.3821



66.5437, 0.2008, 0.3083

# Triad

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



66.5437, 0.2395, 0.3821



66.5437, 0.2482, 0.2230



66.5437, 0.4523, 0.3824

# Complementary

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



66.5437, 0.2395, 0.3821



18.6882, 0.6191, 0.3186

# 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.



66.5437, 0.4382, 0.3296



66.5437, 0.2395, 0.3821



66.5437, 0.3124, 0.2430

# Square

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



66.5437, 0.2395, 0.3821



66.5437, 0.2061, 0.2251



66.5437, 0.3844, 0.2806



66.5437, 0.4247, 0.4305



# Rectangle

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



66.5437, 0.2395, 0.3821



66.5437, 0.1904, 0.2683



66.5437, 0.3844, 0.2806



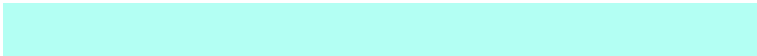
66.5437, 0.4525, 0.3648

# Sweetspot

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



66.5463, 0.2395, 0.3821



87.4874, 0.2754, 0.3425



62.7871, 0.3045, 0.5963



18.4408, 0.2708, 0.3447



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.



66.5463, 0.2395, 0.3821



76.3474, 0.2396, 0.3824



31.4984, 0.1929, 0.2145



17.8821, 0.3003, 0.3329



36.4378, 0.2393, 0.3813



3.0430, 0.2371, 0.3736



# Inverse Universe

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



18.6882, 0.6191, 0.3186



21.4239, 0.6201, 0.3190



24.3162, 0.5901, 0.3695



15.8008, 0.3268, 0.3252



10.2343, 0.6165, 0.3170

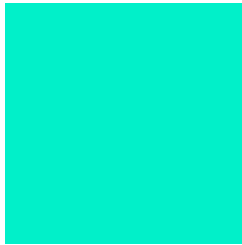


0.8637, 0.5835, 0.2988



# Previews

## White Background



This preview shows how the Yxy color 66.5437, 0.2395, 0.3821 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

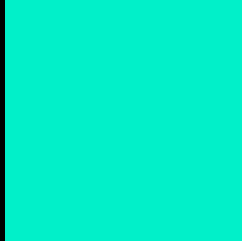
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.5437, 0.2395, 0.3821 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

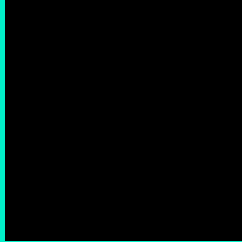
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.5437, 0.2395, 0.3821**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.5437, 0.2395, 0.3821.

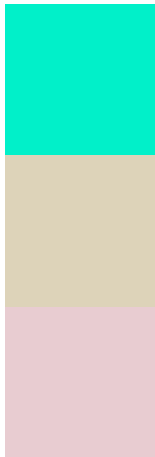


This preview shows how white text looks on a background with the Yxy color 66.5437, 0.2395, 0.3821.

# 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

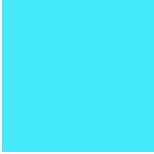
66.5437, 0.2395, 0.3821

### Protanopia

65.4635, 0.3388, 0.3585

### Deuteranopia

64.9450, 0.3308, 0.3236



## **Tritanopia**

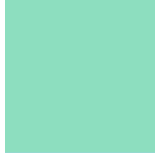
66.5713, 0.2254, 0.3052

# Trichromacy



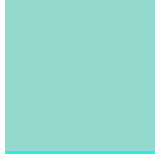
## Original Color

66.5437, 0.2395, 0.3821



## Protanomaly

61.6669, 0.2786, 0.3694



## Deuteranomaly

60.3778, 0.2736, 0.3430



## Tritanomaly

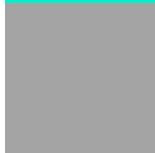
66.4096, 0.2291, 0.3326

# Monochromacy



## Original Color

66.5437, 0.2395, 0.3821



## Achromatopsia

37.1238, 0.3127, 0.3290



## Achromatomaly

43.8769, 0.2612, 0.3515

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.5437, 0.2395, 0.3821 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(1, 240, 201)` looks like.

```
.text, #text, p{  
    color:rgb(1, 240, 201)  
}
```

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(1, 240, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 240, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 66.5437, 0.2395, 0.3821 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(1, 240, 201) }
```

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

```
.border{ border-color:rgb(1, 240, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 240, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 240, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 240, 201);  
box-shadow:4px 4px 4px 4px rgb(1, 240,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.5437, 0.2395, 0.3821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 240, 201) }
```

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

```
.background{ background-color: rgb(1, 240,  
201) }
```

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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