

# Converting Colors

$Y_{xy}(67.7974, 0.2409, 0.3871)$

Have a look what the booklet for  
Yxy(67.7974, 0.2409, 0.3871)  
contains.

<b>Yxy(67.6342, 0.2410, 0.3874)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(67.6342, 0.2410, 0.3874)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01F2C7
RGB	1, 242, 199
RGB Percent	0%, 95%, 78%
CMY	0.9956, 0.0510, 0.2196
CMYK	1.00, 0.00, 0.18, 0.05
HSL	169°, 99%, 48%
HSV	169°, 100%, 95%
XYZ	42.0750, 67.6342, 64.8758
YIQ	165.0390, -129.8330, -64.4650

# Conversions

## Conversions Part 2

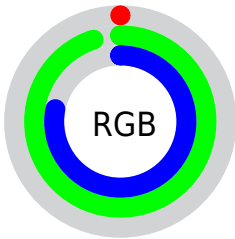
Format	Color
R <sub>Y</sub> B	1, 133, 242
Decimal	127687
CIE Lab	85.82, -57.83, 7.26
CIE LCh	86, 58.283, 172.842
Yxy	67.6342, 0.2410, 0.3874
Android (android.graphics.Color)	4278317767 (0xFF01F2C7)
YUV	165.0390, 16.7428, -143.8622
Hunter-Lab	82.2400, -52.5973, 10.7966

# Details

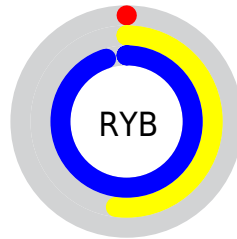
The Yxy color **67.6342, 0.2410, 0.3874** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **19.0844, 0.6151, 0.3165**, and the grayscale version is **37.6295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **36.7423, 0.2444, 0.3998** is the 20% darker color. If you saturate the color by 10%, you get **67.6204, 0.2410, 0.3877**, and if you desaturate by 10%, it is **68.0438, 0.2407, 0.3810**.

# Distribution



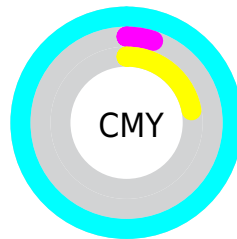
- Red (0%)
- Green (95%)
- Blue (78%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (5%)




- Cyan (100%)
- Magenta (5%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6342, 0.2410, 0.3874 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 67.6342, 0.2410, 0.3874 by changing the saturation by 10% instead.



 67.6342, 0.2410,  
0.3874

 67.6342, 0.2410,  
0.3874

452.1989, 0.2747,  
0.3593


 49.6002, 0.2332,  
0.3941


 115.8287, 0.2528,  
0.3774


 35.0958, 0.2235,  
0.4025


 146.7580, 0.2573,  
0.3736


 23.7367, 0.2113,  
0.4133

 182.7544, 0.2613,  
0.3704

 15.1384, 0.1952,  
0.4278

 224.2025, 0.2647,  
0.3675

 8.9166, 0.1734,  
0.4482

 271.4866, 0.2676,  
0.3651

 4.6868, 0.1425,  
0.4785


324.9911, 0.2703,

 2.0647, 0.0669,


0.3629

0.5453


385.1004, 0.2726,  
0.3610


 0.6447, 0.0000,  
0.7685


 0.0000, 0.0000,  
0.0000


 67.6342, 0.2410,  
0.3874

 67.6342, 0.2410,  
0.3874

 67.6204, 0.2410,  
0.3877

 68.0438, 0.2407,  
0.3810

 68.7082, 0.2419,  
0.3745

 69.7020, 0.2452,  
0.3680

 71.0702, 0.2504,  
0.3616

■ 72.8510, 0.2575,  
0.3553

■ 75.0776, 0.2663,  
0.3492

■ 77.7799, 0.2766,  
0.3435

■ 80.9852, 0.2880,  
0.3382

■ 84.7186, 0.3004,  
0.3333

# Harmonies

## Analogous

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



67.6342, 0.3039, 0.4472



67.6342, 0.2410, 0.3874



67.6342, 0.2002, 0.3116

# Triad

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



67.6342, 0.2410, 0.3874



67.6342, 0.2439, 0.2207



67.6342, 0.4553, 0.3801

# Complementary

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



67.6342, 0.2410, 0.3874



19.0844, 0.6151, 0.3165

# 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.



67.6342, 0.4387, 0.3264



67.6342, 0.2410, 0.3874



67.6342, 0.3083, 0.2398

# Square

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



67.6342, 0.2410, 0.3874



67.6342, 0.2026, 0.2241



67.6342, 0.3819, 0.2772



67.6342, 0.4291, 0.4298



# Rectangle

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



67.6342, 0.2410, 0.3874



67.6342, 0.1887, 0.2700



67.6342, 0.3819, 0.2772



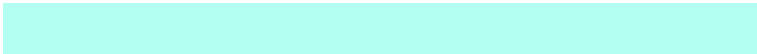
67.6342, 0.4549, 0.3621

# Sweetspot

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



67.6368, 0.2410, 0.3874



87.4159, 0.2760, 0.3438



64.0722, 0.3053, 0.5955



18.4235, 0.2715, 0.3462



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.



67.6368, 0.2410, 0.3874



76.1478, 0.2411, 0.3879



33.5891, 0.1947, 0.2208



17.8777, 0.3005, 0.3332



36.3440, 0.2407, 0.3866



3.0360, 0.2384, 0.3781



# Inverse Universe

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



19.0844, 0.6151, 0.3165



21.4534, 0.6167, 0.3171



24.2432, 0.5938, 0.3663



15.8049, 0.3265, 0.3248



10.2495, 0.6128, 0.3150

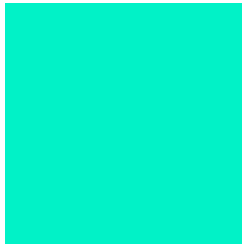


0.8656, 0.5788, 0.2962



# Previews

## White Background



This preview shows how the Yxy color 67.6342, 0.2410, 0.3874 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 67.6342, 0.2410, 0.3874 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

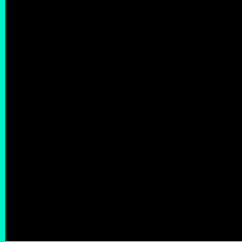
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.6342, 0.2410, 0.3874**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.6342, 0.2410, 0.3874.

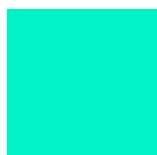


This preview shows how white text looks on a background with the Yxy color 67.6342, 0.2410, 0.3874.

# Color Blindness Simulation

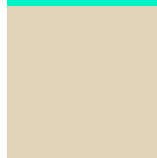
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

67.6342, 0.2410, 0.3874



### Protanopia

66.1938, 0.3417, 0.3617



### Deuteranopia

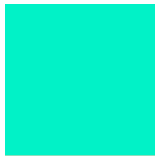
66.3098, 0.3343, 0.3280



## Tritanopia

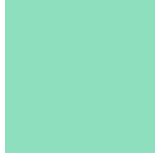
67.3410, 0.2254, 0.3042

# Trichromacy



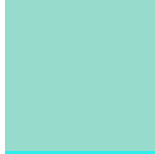
## Original Color

67.6342, 0.2410, 0.3874



## Protanomaly

62.2003, 0.2805, 0.3733



## Deuteranomaly

61.5067, 0.2762, 0.3480



## Tritanomaly

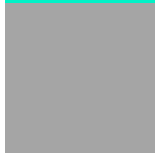
67.0897, 0.2294, 0.3326

# Monochromacy



## Original Color

67.6342, 0.2410, 0.3874



## Achromatopsia

37.6262, 0.3127, 0.3290



## Achromatomaly

44.3175, 0.2615, 0.3529

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.6342, 0.2410, 0.3874 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, 242, 199)` looks like.

```
.text, #text, p{  
    color:rgb(1, 242, 199)  
}
```

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, 242, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 242, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 67.6342, 0.2410, 0.3874 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, 242, 199) }
```

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

```
.border{ border-color:rgb(1, 242, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 242, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 242, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 242, 199);  
box-shadow:4px 4px 4px 4px rgb(1, 242,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.6342, 0.2410, 0.3874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 242, 199) }
```

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

```
.background{ background-color: rgb(1, 242,  
199) }
```

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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