

# Converting Colors

$Y_{xy}(67.4162, 0.2312, 0.3522)$

Have a look what the booklet for  
Yxy(67.4162, 0.2312, 0.3522)  
contains.

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# Color

**Yxy(67.6006, 0.2313, 0.3525)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01F0DE
RGB	1, 240, 222
RGB Percent	0%, 94%, 87%
CMY	0.9958, 0.0588, 0.1294
CMYK	1.00, 0.00, 0.08, 0.06
HSL	175°, 99%, 47%
HSV	175°, 100%, 94%
XYZ	44.3575, 67.6006, 79.8167
YIQ	166.4870, -136.6660, -56.2660

# Conversions

## Conversions Part 2

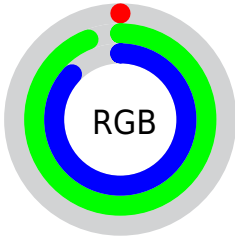
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	1, 125, 240
Decimal	127198
CIE <sub>Lab</sub>	85.81, -50.99, -4.80
CIE <sub>LCh</sub>	86, 51.212, 185.383
Yxy	67.6006, 0.2313, 0.3525
Android (android.graphics.Color)	4278317278 (0xFF01F0DE)
YUV	166.4870, 27.3679, -145.1321
Hunter-Lab	82.2196, -47.5834, -0.0035

# Details

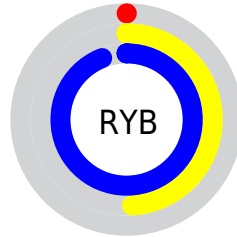
The Yxy color **67.6006, 0.2313, 0.3525** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **18.5966, 0.6331, 0.3264**, and the grayscale version is **38.3083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **36.6570, 0.2323, 0.3561** is the 20% darker color. If you saturate the color by 10%, you get **67.5919, 0.2313, 0.3526**, and if you desaturate by 10%, it is **67.9014, 0.2319, 0.3500**.

# Distribution



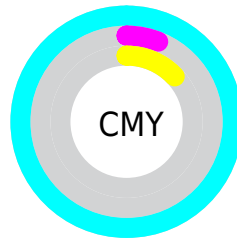
- Red (0%)
- Green (94%)
- Blue (87%)



- Red (0%)
- Yellow (49%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (6%)



- Cyan (100%)
- Magenta (6%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6006, 0.2313, 0.3525 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 67.6006, 0.2313, 0.3525 by changing the saturation by 10% instead.





 67.6006, 0.2313,  
0.3525


 67.6006, 0.2313,  
0.3525

452.0796, 0.2687,  
0.3422

 49.5729, 0.2229,  
0.3547


 115.7806, 0.2442,  
0.3491


 35.0741, 0.2126,  
0.3573


 146.7016, 0.2492,  
0.3477


 23.7200, 0.1996,  
0.3604

 182.6893, 0.2536,  
0.3465

 15.1260, 0.1830,  
0.3642

 224.1278, 0.2574,  
0.3454

 8.9079, 0.1611,  
0.3689

 271.4018, 0.2607,  
0.3445

 4.6812, 0.1312,  
0.3743

324.8954, 0.2637,

 2.0614, 0.0780,

0.3436

0.3840

384.9933, 0.2663,  
0.3429

■ 0.6428, 0.0000,  
0.3825

■ 0.0000, 0.0000,  
0.0000

■ 67.6006, 0.2313,  
0.3525

■ 67.6006, 0.2313,  
0.3525


■ 67.5919, 0.2313,  
0.3526

■ 67.9014, 0.2319,  
0.3500

■ 68.4472, 0.2340,  
0.3474


■ 69.3114, 0.2380,  
0.3449


■ 70.5382, 0.2440,  
0.3423

 72.1648, 0.2518,  
0.3398

 74.2239, 0.2615,  
0.3373

 76.7445, 0.2728,  
0.3350

 79.7536, 0.2854,  
0.3328

 83.2756, 0.2990,  
0.3308

# Harmonies

## Analogous

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



67.6006, 0.2809, 0.4137



67.6006, 0.2313, 0.3525



67.6006, 0.2045, 0.2904

# Triad

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



67.6006, 0.2313, 0.3525



67.6006, 0.2739, 0.2369



67.6006, 0.4335, 0.3956

# Complementary

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



67.6006, 0.2313, 0.3525



18.5966, 0.6331, 0.3264

# 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.



67.6006, 0.4345, 0.3480



67.6006, 0.2313, 0.3525



67.6006, 0.3365, 0.2616

# Square

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



67.6006, 0.2313, 0.3525



67.6006, 0.2272, 0.2314



67.6006, 0.3977, 0.3009



67.6006, 0.3983, 0.4332



# Rectangle

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



67.6006, 0.2313, 0.3525



67.6006, 0.2009, 0.2597



67.6006, 0.3977, 0.3009



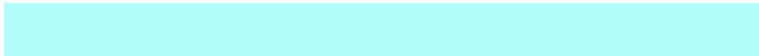
67.6006, 0.4381, 0.3802

# Sweetspot

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



67.6032, 0.2313, 0.3525



87.8985, 0.2721, 0.3351



62.4839, 0.3015, 0.5985



18.5405, 0.2672, 0.3361



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.



67.6032, 0.2313, 0.3525



77.5637, 0.2313, 0.3527



25.1866, 0.1847, 0.1847



17.9072, 0.2991, 0.3308



37.0084, 0.2312, 0.3522



3.0848, 0.2302, 0.3489



# Inverse Universe

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



18.5966, 0.6331, 0.3264



21.3078, 0.6341, 0.3267



27.7639, 0.5667, 0.3879



15.7782, 0.3281, 0.3273



10.1723, 0.6319, 0.3255

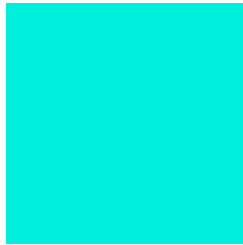


0.8529, 0.6122, 0.3146



# Previews

## White Background



This preview shows how the Yxy color 67.6006, 0.2313, 0.3525 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

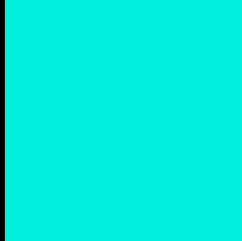
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.6006, 0.2313, 0.3525 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

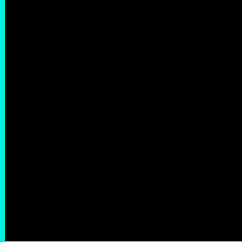
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.6006, 0.2313, 0.3525**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.6006, 0.2313, 0.3525.

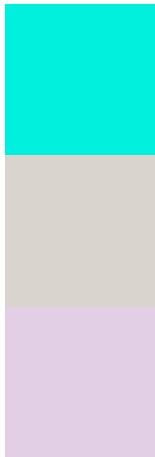


This preview shows how white text looks on a background with the Yxy color 67.6006, 0.2313, 0.3525.

# 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

67.6006, 0.2313, 0.3525

### Protanopia

66.4486, 0.3213, 0.3357

### Deuteranopia

66.4515, 0.3116, 0.3053



## Tritanopia

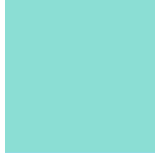
67.4423, 0.2231, 0.3053

# Trichromacy



## Original Color

67.6006, 0.2313, 0.3525



## Protanomaly

62.4850, 0.2660, 0.3416



## Deuteranomaly

62.0833, 0.2607, 0.3202



## Tritanomaly

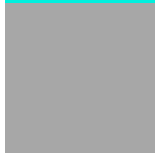
67.3725, 0.2253, 0.3224

# Monochromacy



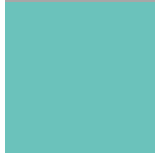
## Original Color

67.6006, 0.2313, 0.3525



## Achromatopsia

38.6429, 0.3127, 0.3290



## Achromatomaly

45.2972, 0.2570, 0.3391

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.6006, 0.2313, 0.3525 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(1, 240, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 240, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 67.6006, 0.2313, 0.3525 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, 222) }
```

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

```
.border{ border-color:rgb(1, 240, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 240, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 240, 222);  
box-shadow:4px 4px 4px 4px rgb(1, 240,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.6006, 0.2313, 0.3525 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, 222) }
```

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

```
.background{ background-color: rgb(1, 240,  
222) }
```

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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