

# Converting Colors

$Y_{xy}(67.2845, 0.2336, 0.3608)$

Have a look what the booklet for  
Yxy(67.2845, 0.2336, 0.3608)  
contains.

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# Color

**Yxy(67.2845, 0.2336, 0.3608)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01F0D8
RGB	1, 240, 216
RGB Percent	0%, 94%, 85%
CMY	0.9964, 0.0588, 0.1530
CMYK	1.00, 0.00, 0.10, 0.06
HSL	174°, 99%, 47%
HSV	174°, 100%, 94%
XYZ	43.5634, 67.2845, 75.6391
YIQ	165.8030, -134.7400, -58.1320

# Conversions

## Conversions Part 2

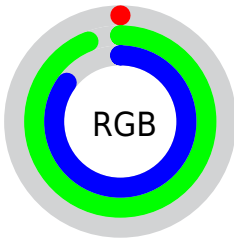
<b>Format</b>	<b>Color</b>
<b>RYB</b>	1, 127, 240
Decimal	127192
CIELab	85.65, -52.63, -1.88
CIELCh	86, 52.663, 182.041
Yxy	67.2845, 0.2336, 0.3608
Android (android.graphics.Color)	4278317272 (0xFF01F0D8)
YUV	165.8030, 24.7471, -144.5322
Hunter-Lab	82.0271, -48.7489, 2.7463

# Details

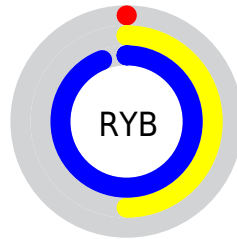
The Yxy color **67.2845, 0.2336, 0.3608** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **18.6166, 0.6299, 0.3246**, and the grayscale version is **37.9491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **36.4402, 0.2352, 0.3669** is the 20% darker color. If you saturate the color by 10%, you get **67.2763, 0.2336, 0.3609**, and if you desaturate by 10%, it is **67.6125, 0.2340, 0.3574**.

# Distribution



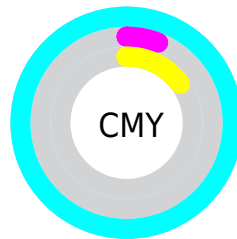
- Red (0%)
- Green (94%)
- Blue (85%)



- Red (0%)
- Yellow (50%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (6%)




- Cyan (100%)
- Magenta (6%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.2845, 0.2336, 0.3608 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 67.2845, 0.2336, 0.3608 by changing the saturation by 10% instead.




 67.2845, 0.2336,  
0.3608


 67.2845, 0.2336,  
0.3608


450.9568, 0.2702,  
0.3463

 49.3159, 0.2253,  
0.3640

 115.3280, 0.2462,  
0.3558


 34.8701, 0.2151,  
0.3680


 146.1716, 0.2512,  
0.3539


 23.5628, 0.2023,  
0.3729


 182.0757, 0.2554,  
0.3522

 15.0097, 0.1858,  
0.3791

 223.4246, 0.2591,  
0.3507

 8.8262, 0.1639,  
0.3873

 270.6028, 0.2624,  
0.3494

 4.6280, 0.1336,  
0.3981

323.9946, 0.2653,

 2.0307, 0.0747,

0.3483

0.4196

383.9845, 0.2679,  
0.3472

■ 0.6252, 0.0000,  
0.4350

■ 0.0000, 0.0000,  
0.0000

■ 67.2845, 0.2336,  
0.3608

■ 67.2845, 0.2336,  
0.3608

■ 67.2763, 0.2336,  
0.3609

■ 67.6125, 0.2340,  
0.3574


■ 68.1854, 0.2359,  
0.3539

■ 69.0773, 0.2397,  
0.3504


■ 70.3323, 0.2455,  
0.3469

 71.9877, 0.2531,  
0.3435

 74.0762, 0.2626,  
0.3402

 76.6269, 0.2736,  
0.3371

 79.6667, 0.2859,  
0.3341

 83.2201, 0.2992,  
0.3314

# Harmonies

## Analogous

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



67.2845, 0.2865, 0.4221



67.2845, 0.2336, 0.3608



67.2845, 0.2034, 0.2954

# Triad

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



67.2845, 0.2336, 0.3608



67.2845, 0.2664, 0.2328



67.2845, 0.4390, 0.3919

# Complementary

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



67.2845, 0.2336, 0.3608



18.6166, 0.6299, 0.3246

# 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.



67.2845, 0.4357, 0.3427



67.2845, 0.2336, 0.3608



67.2845, 0.3296, 0.2562

# Square

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



67.2845, 0.2336, 0.3608



67.2845, 0.2210, 0.2295



67.2845, 0.3940, 0.2950



67.2845, 0.4060, 0.4327



# Rectangle

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



67.2845, 0.2336, 0.3608



67.2845, 0.1978, 0.2621



67.2845, 0.3940, 0.2950



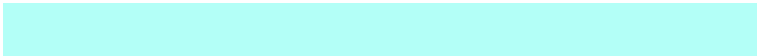
67.2845, 0.4424, 0.3758

# Sweetspot

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



67.2871, 0.2336, 0.3608



87.7788, 0.2730, 0.3372



62.5851, 0.3025, 0.5978



18.5114, 0.2682, 0.3385



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.



67.2871, 0.2336, 0.3608



77.1977, 0.2336, 0.3610



27.5901, 0.1880, 0.1966



17.9000, 0.2994, 0.3314



36.8369, 0.2334, 0.3604



3.0723, 0.2322, 0.3558



# Inverse Universe

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



18.6166, 0.6299, 0.3246



21.3329, 0.6310, 0.3250



26.2824, 0.5762, 0.3803



15.7846, 0.3277, 0.3267



10.1862, 0.6284, 0.3235

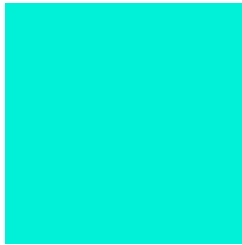


0.8560, 0.6035, 0.3098



# Previews

## White Background



This preview shows how the Yxy color 67.2845, 0.2336, 0.3608 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

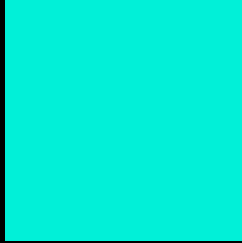
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.2845, 0.2336, 0.3608 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

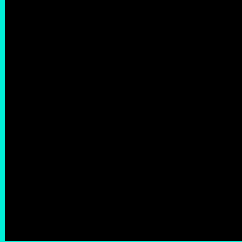
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

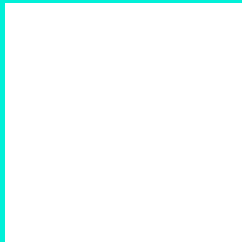
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.2845, 0.2336, 0.3608**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.2845, 0.2336, 0.3608.

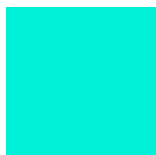


This preview shows how white text looks on a background with the Yxy color 67.2845, 0.2336, 0.3608.

# Color Blindness Simulation

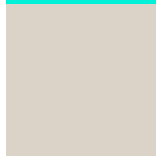
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



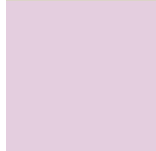
### Original Color

67.2845, 0.2336, 0.3608



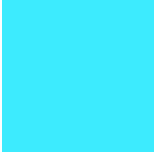
### Protanopia

65.8187, 0.3264, 0.3414



### Deuteranopia

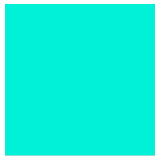
65.9643, 0.3173, 0.3107



## Tritanopia

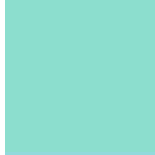
67.5645, 0.2238, 0.3053

# Trichromacy



## Original Color

67.2845, 0.2336, 0.3608



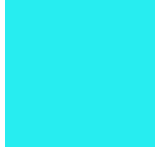
## Protanomaly

62.2742, 0.2697, 0.3494



## Deuteranomaly

61.3299, 0.2643, 0.3263



## Tritanomaly

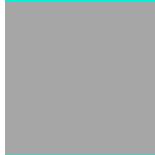
67.2910, 0.2262, 0.3249

# Monochromacy



## Original Color

67.2845, 0.2336, 0.3608



## Achromatopsia

38.1326, 0.3127, 0.3290



## Achromatomaly

44.6648, 0.2579, 0.3422

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  67.2845, 0.2336, 0.3608 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(1, 240, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 240, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 67.2845, 0.2336, 0.3608 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, 216) }
```

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

```
.border{ border-color:rgb(1, 240, 216) }
```

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, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 240, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 240, 216);  
box-shadow:4px 4px 4px 4px rgb(1, 240,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.2845, 0.2336, 0.3608 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, 216) }
```

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

```
.background{ background-color: rgb(1, 240,  
216) }
```

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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