

# Converting Colors

$Y_{xy}(65.5660, 0.2203, 0.3078)$

Have a look what the booklet for  
Yxy(65.5660, 0.2203, 0.3078)  
contains.

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# Color

**Yxy(65.4268, 0.2202, 0.3073)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1CE9FA
RGB	28, 233, 250
RGB Percent	11%, 91%, 98%
CMY	0.8882, 0.0863, 0.0196
CMYK	0.89, 0.07, 0.00, 0.02
HSL	185°, 96%, 55%
HSV	185°, 89%, 98%
XYZ	46.8825, 65.4268, 100.5993
YIQ	173.6430, -127.6370, -38.1730

# Conversions

## Conversions Part 2

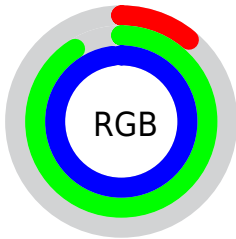
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	28, 135, 250
Decimal	1894906
CIE Lab	84.70, -39.01, -21.17
CIE LCh	85, 44.381, 208.487
Yxy	65.4268, 0.2202, 0.3073
Android (android.graphics.Color)	4280084986 (0xFF1CE9FA)
YUV	173.6430, 37.6440, -127.7289
Hunter-Lab	80.8868, -38.0924, -17.1184

# Details

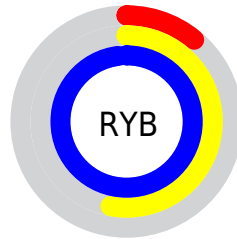
The Yxy color **65.4268, 0.2202, 0.3073** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **22.3259, 0.6130, 0.3371**, and the grayscale version is **42.0647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9510, 0.2457, 0.3288**, and **35.3393, 0.2170, 0.3012** is the 20% darker color. If you saturate the color by 10%, you get **64.1168, 0.2181, 0.3047**, and if you desaturate by 10%, it is **67.0385, 0.2239, 0.3099**.

# Distribution



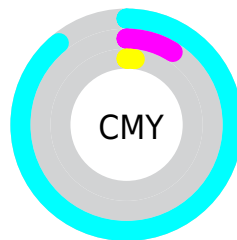
- Red (11%)
- Green (91%)
- Blue (98%)



- Red (11%)
- Yellow (53%)
- Blue (98%)



- Cyan (89%)
- Magenta (7%)
- Yellow (0%)
- Black (2%)




- Cyan (89%)
- Magenta (9%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.4268, 0.2202, 0.3073 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 65.4268, 0.2202, 0.3073 by changing the saturation by 10% instead.




 65.4268, 0.2202,  
0.3073

 65.4268, 0.2202,  
0.3073


444.3241, 0.2621,  
0.3190

 47.8072, 0.2110,  
0.3042


 112.6632, 0.2345,  
0.3117

 33.6743, 0.1997,  
0.3003


 143.0489, 0.2401,  
0.3133

 22.6435, 0.1859,  
0.2949


 178.4587, 0.2450,  
0.3147

 14.3305, 0.1684,  
0.2875

 219.2771, 0.2493,  
0.3158

 8.3509, 0.1458,  
0.2767

265.8885, 0.2530,  
0.3168

 4.3203, 0.1162,  
0.2599

318.6771, 0.2564,

 1.8543, 0.0745,

0.3176

378.0276, 0.2594,  
0.3184

0.2321

0.5207, 0.0000,  
0.1722

0.0000, 0.0000,  
0.0000

65.4268, 0.2202,  
0.3073

65.4268, 0.2202,  
0.3073

64.1168, 0.2181,  
0.3047


67.0385, 0.2239,  
0.3099


63.9440, 0.2179,  
0.3044


69.0135, 0.2295,  
0.3126

71.4023, 0.2371,  
0.3152


74.2456, 0.2466,  
0.3179

 77.5791, 0.2578,  
0.3204

 81.4346, 0.2705,  
0.3229

 85.8417, 0.2845,  
0.3252

 90.8273, 0.2994,  
0.3273

 96.4167, 0.3149,  
0.3293

# Harmonies

## Analogous

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



65.4268, 0.2497, 0.3630



65.4268, 0.2202, 0.3073



65.4268, 0.2136, 0.2650

# Triad

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



65.4268, 0.2202, 0.3073



65.4268, 0.3208, 0.2626



65.4268, 0.3980, 0.4154

# Complementary

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



65.4268, 0.2202, 0.3073



22.3259, 0.6130, 0.3371

# 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.



65.4268, 0.4222, 0.3799



65.4268, 0.2202, 0.3073



65.4268, 0.3761, 0.2955

# Square

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



65.4268, 0.2202, 0.3073



65.4268, 0.2677, 0.2441



65.4268, 0.4146, 0.3370



65.4268, 0.3518, 0.4300

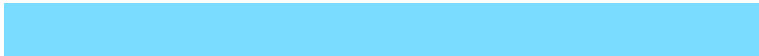


# Rectangle

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



65.4268, 0.2202, 0.3073



65.4268, 0.2221, 0.2486



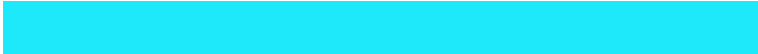
65.4268, 0.4146, 0.3370



65.4268, 0.4091, 0.4051

# Sweetspot

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



65.4292, 0.2202, 0.3073



85.8710, 0.2726, 0.3232



68.8018, 0.2985, 0.5847



18.0647, 0.2681, 0.3224



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.



65.4292, 0.2202, 0.3073



66.8769, 0.2179, 0.3043



21.6924, 0.1787, 0.1549



19.3670, 0.2980, 0.3271



34.0145, 0.2180, 0.3048



3.2162, 0.2189, 0.3079



# Inverse Universe

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



27.0611, 0.3388, 0.1680



27.2824, 0.3416, 0.1656



43.5266, 0.5041, 0.4286



17.5002, 0.3150, 0.3074



13.8447, 0.3412, 0.1653

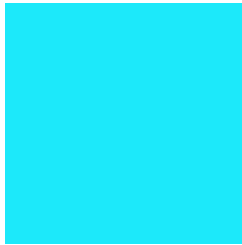


1.2889, 0.3385, 0.1639



# Previews

## White Background



This preview shows how the Yxy color 65.4268, 0.2202, 0.3073 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

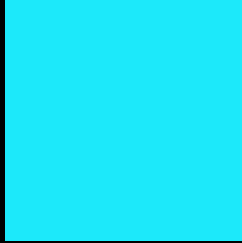
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.4268, 0.2202, 0.3073 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 65.4268, 0.2202, 0.3073**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.4268, 0.2202, 0.3073.

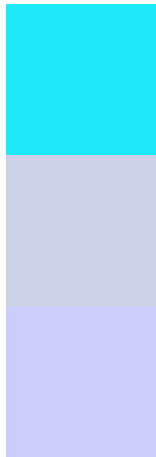


This preview shows how white text looks on a background with the Yxy color 65.4268, 0.2202, 0.3073.

# 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

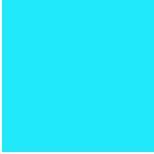
65.4268, 0.2202, 0.3073

### Protanopia

64.1741, 0.2938, 0.2999

### Deuteranopia

64.1480, 0.2812, 0.2750



## Tritanopia

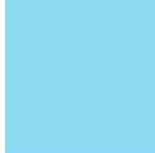
65.6132, 0.2198, 0.3049

# Trichromacy



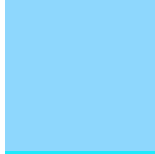
## Original Color

65.4268, 0.2202, 0.3073



## Protanomaly

61.5797, 0.2517, 0.3008



## Deuteranomaly

61.4435, 0.2455, 0.2837



## Tritanomaly

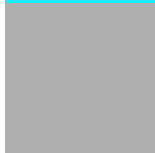
65.5342, 0.2201, 0.3061

# Monochromacy



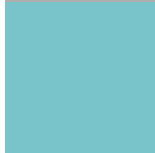
## Original Color

65.4268, 0.2202, 0.3073



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

47.3594, 0.2564, 0.3191

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.4268, 0.2202, 0.3073 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(28, 233, 250)` looks like.

```
.text, #text, p{  
    color:rgb(28, 233, 250)  
}
```

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(28, 233, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 233, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 65.4268, 0.2202, 0.3073 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(28, 233, 250) }
```

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

```
.border{ border-color:rgb(28, 233, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 233, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 233, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 233, 250);  
box-shadow:4px 4px 4px 4px rgb(28, 233,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.4268, 0.2202, 0.3073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 233, 250) }
```

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

```
.background{ background-color: rgb(28, 233,  
250) }
```

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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