

# Converting Colors

Yxy(67.8538, 0.2414, 0.3309)

Have a look what the booklet for  
Yxy(67.8538, 0.2414, 0.3309)  
contains.

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# Color

**Yxy(67.9525, 0.2416, 0.3313)**

# Conversions

## Conversions Part 1

Format	Color
Hex	63EBE9
RGB	99, 235, 233
RGB Percent	39%, 92%, 91%
CMY	0.6122, 0.0784, 0.0862
CMYK	0.58, 0.00, 0.01, 0.08
HSL	179°, 77%, 65%
HSV	179°, 58%, 92%
XYZ	49.5543, 67.9525, 87.6019
YIQ	194.1080, -80.4140, -29.4540

# Conversions

## Conversions Part 2

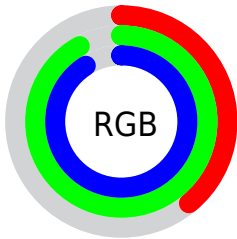
<b>Format</b>	<b>Color</b>
<b>RYB</b>	99, 168, 235
Decimal	6548457
CIELab	85.98, -37.16, -10.18
CIELCh	86, 38.526, 195.326
Yxy	67.9525, 0.2416, 0.3313
Android (android.graphics.Color)	4284738537 (0xFF63EBE9)
YUV	194.1080, 19.1738, -83.4097
Hunter-Lab	82.4333, -36.9542, -5.3042

# Details

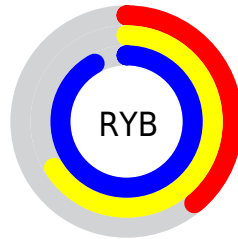
The Yxy color **67.9525, 0.2416, 0.3313** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **27.5068, 0.4888, 0.3275**, and the grayscale version is **53.9224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4214, 0.2615, 0.3288**, and **35.4274, 0.2257, 0.3321** is the 20% darker color. If you saturate the color by 10%, you get **66.8003, 0.2349, 0.3318**, and if you desaturate by 10%, it is **69.4948, 0.2502, 0.3308**.

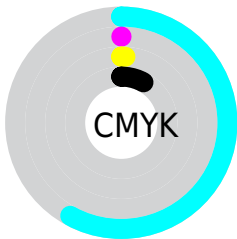
# Distribution



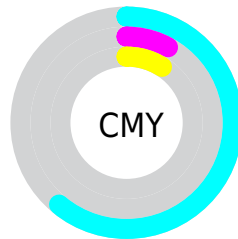
- Red (39%)
- Green (92%)
- Blue (91%)



- Red (39%)
- Yellow (66%)
- Blue (92%)



- Cyan (58%)
- Magenta (0%)
- Yellow (1%)
- Black (8%)




- Cyan (61%)
- Magenta (8%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.9525, 0.2416, 0.3313 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 67.9525, 0.2416, 0.3313 by changing the saturation by 10% instead.





 67.9525, 0.2416,  
0.3313

 67.9525, 0.2416,  
0.3313

453.3277, 0.2742,  
0.3311


 49.8591, 0.2343,  
0.3311


 116.2842, 0.2528,  
0.3314

 35.3015, 0.2253,  
0.3308


 147.2913, 0.2572,  
0.3314

 23.8952, 0.2141,  
0.3303


 183.3717, 0.2610,  
0.3313

 15.2559, 0.1997,  
0.3293

224.9098, 0.2643,  
0.3313

 8.9992, 0.1806,  
0.3273

272.2901, 0.2672,  
0.3312

 4.7406, 0.1542,  
0.3233

325.8969, 0.2698,

 2.0959, 0.1162,

0.3312

386.1147, 0.2721,  
0.3311

0.3145

0.6623, 0.0000,  
0.3045

0.0000, 0.0000,  
0.0000

67.9525, 0.2416,  
0.3313

67.9525, 0.2416,  
0.3313

66.8003, 0.2349,  
0.3318

69.4948, 0.2502,  
0.3308

65.9960, 0.2302,  
0.3322


71.4498, 0.2606,  
0.3304

65.5015, 0.2274,  
0.3327

73.8473, 0.2727,  
0.3300

65.2609, 0.2261,  
0.3332

76.7124, 0.2861,  
0.3296

 65.2253, 0.2259,  
0.3333

 80.0683, 0.3006,  
0.3293

 83.9365, 0.3160,  
0.3289

 86.7074, 0.3260,  
0.3286

 86.7275, 0.3258,  
0.3283

 86.7476, 0.3255,  
0.3280

# Harmonies

## Analogous

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



67.9525, 0.2754, 0.3779



67.9525, 0.2416, 0.3313



67.9525, 0.2266, 0.2885

# Triad

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



67.9525, 0.2416, 0.3313



67.9525, 0.2988, 0.2623



67.9525, 0.3984, 0.3925

# Complementary

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



67.9525, 0.2416, 0.3313



27.5068, 0.4888, 0.3275

# 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.



67.9525, 0.4073, 0.3581



67.9525, 0.2416, 0.3313



67.9525, 0.3473, 0.2862

# Square

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



67.9525, 0.2416, 0.3313



67.9525, 0.2575, 0.2530



67.9525, 0.3882, 0.3202



67.9525, 0.3661, 0.4132

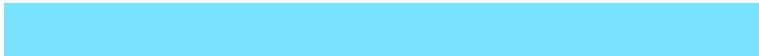


# Rectangle

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



67.9525, 0.2416, 0.3313



67.9525, 0.2280, 0.2683



67.9525, 0.3882, 0.3202



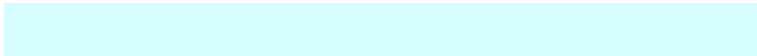
67.9525, 0.4044, 0.3820

# Sweetspot

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



67.9551, 0.2416, 0.3313



92.6441, 0.2873, 0.3296



63.0997, 0.3050, 0.5154



19.6686, 0.2845, 0.3297



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.



67.9551, 0.2416, 0.3313



80.1291, 0.2336, 0.3319



37.1057, 0.2211, 0.2387



17.1178, 0.2983, 0.3293



36.2980, 0.2259, 0.3332



2.8515, 0.2257, 0.3325



# Inverse Universe

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



27.5068, 0.4888, 0.3275



27.0644, 0.5481, 0.3277



45.3612, 0.4410, 0.4008



15.0576, 0.3291, 0.3287



9.8356, 0.6385, 0.3291

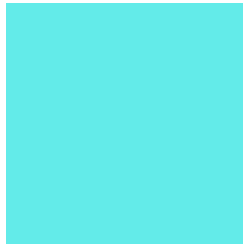


0.7736, 0.6341, 0.3267



# Previews

## White Background



This preview shows how the Yxy color 67.9525, 0.2416, 0.3313 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

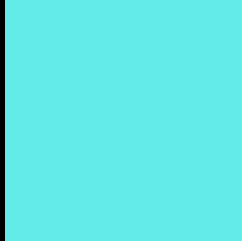
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.9525, 0.2416, 0.3313 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

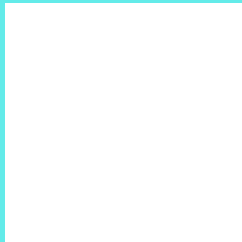
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.9525, 0.2416, 0.3313**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.9525, 0.2416, 0.3313.

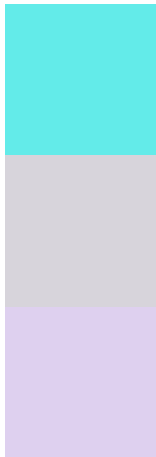


This preview shows how white text looks on a background with the Yxy color 67.9525, 0.2416, 0.3313.

# 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

67.9525, 0.2416, 0.3313

### Protanopia

66.6485, 0.3102, 0.3212

### Deuteranopia

66.8733, 0.3019, 0.2958



## Tritanopia

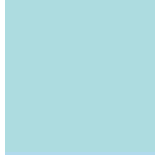
67.7424, 0.2357, 0.3058

# Trichromacy



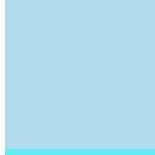
## Original Color

67.9525, 0.2416, 0.3313



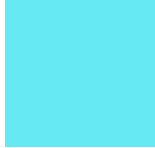
## Protanomaly

65.4525, 0.2787, 0.3241



## Deuteranomaly

65.6043, 0.2736, 0.3069



## Tritanomaly

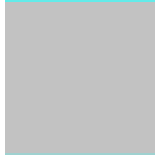
67.6930, 0.2378, 0.3153

# Monochromacy



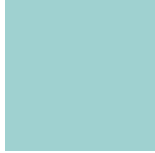
## Original Color

67.9525, 0.2416, 0.3313



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

57.5259, 0.2783, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.9525, 0.2416, 0.3313 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(99, 235, 233)` looks like.

```
.text, #text, p{  
  color:rgb(99, 235, 233)  
}
```

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(99, 235, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 235, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 67.9525, 0.2416, 0.3313 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(99, 235, 233) }
```

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

```
.border{ border-color:rgb(99, 235, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 235, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 235, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 235, 233);  
box-shadow:4px 4px 4px 4px rgb(99, 235,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.9525, 0.2416, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 235, 233) }
```

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

```
.background{ background-color: rgb(99, 235,  
233) }
```

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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