

# Converting Colors

$Y_{xy}(56.2637, 0.2606, 0.3274)$

Have a look what the booklet for  
Yxy(56.2637, 0.2606, 0.3274)  
contains.

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# Color

**Yxy(56.3285, 0.2608, 0.3275)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 85D3D4                       |
| RGB         | 133, 211, 212                |
| RGB Percent | 52%, 83%, 83%                |
| CMY         | 0.4783, 0.1726, 0.1685       |
| CMYK        | 0.37, 0.00, 0.00, 0.17       |
| HSL         | 181°, 48%, 68%               |
| HSV         | 181°, 37%, 83%               |
| XYZ         | 44.8564, 56.3285, 70.8105    |
| YIQ         | 187.7920, -46.8090, -16.2250 |

# Conversions

## Conversions Part 2

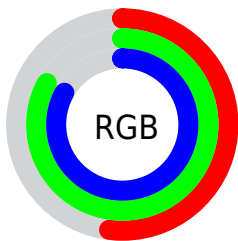
| Format                              | Color   |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">133, 172, 212</a>                   |
| Decimal                             | <a href="#">8770516</a>                         |
| CIELab                              | <a href="#">79.80, -23.65, -8.10</a>            |
| CIELCh                              | <a href="#">80, 25.000, 198.916</a>             |
| Yxy                                 | <a href="#">56.3285, 0.2608,<br/>0.3275</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4286960596<br/>(0xFF85D3D4)</a>     |
| YUV                                 | <a href="#">187.7920, 11.9345,<br/>-48.0526</a> |
| Hunter-Lab                          | <a href="#">75.0523, -24.6577,<br/>-3.4024</a>  |

# Details

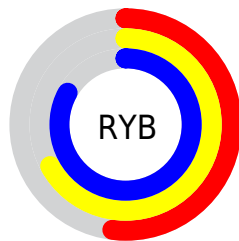
The Yxy color **56.3285, 0.2608, 0.3275** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.7616, 0.4029, 0.3306**, and the grayscale version is **50.1217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **27.8310, 0.2481, 0.3270** is the 20% darker color. If you saturate the color by 10%, you get **54.6383, 0.2500, 0.3271**, and if you desaturate by 10%, it is **58.3717, 0.2731, 0.3279**.

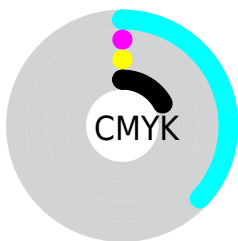
# Distribution



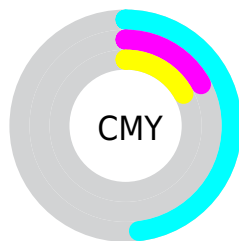
- Red (52%)
- Green (83%)
- Blue (83%)



- Red (52%)
- Yellow (67%)
- Blue (83%)



- Cyan (37%)
- Magenta (0%)
- Yellow (0%)
- Black (17%)




- Cyan (48%)
- Magenta (17%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.3285, 0.2608, 0.3275 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 56.3285, 0.2608, 0.3275 by changing the saturation by 10% instead.





 56.3285, 0.2608,  
0.3275


 56.3285, 0.2608,  
0.3275


410.9283, 0.2855,  
0.3287


 40.4664, 0.2550,  
0.3271


 99.4847, 0.2695,  
0.3280

 27.9023, 0.2477,  
0.3265


 127.5476, 0.2729,  
0.3282

 18.2521, 0.2383,  
0.3256


 160.4462, 0.2758,  
0.3283

 11.1311, 0.2259,  
0.3242

198.5648, 0.2782,  
0.3284

 6.1551, 0.2086,  
0.3218

242.2880, 0.2804,  
0.3285

 2.9396, 0.1830,  
0.3171

292.0000, 0.2823,

 1.1003, 0.1285,

0.3286

0.3114

348.0853, 0.2840,  
0.3286

0.0000, 0.0000,  
0.0000

56.3285, 0.2608,  
0.3275

56.3285, 0.2608,  
0.3275

54.6383, 0.2500,  
0.3271

58.3717, 0.2731,  
0.3279

53.2733, 0.2411,  
0.3266

60.7806, 0.2868,  
0.3283

52.2124, 0.2340,  
0.3262

63.5753, 0.3015,  
0.3287

51.4292, 0.2289,  
0.3257

66.7725, 0.3170,  
0.3291

50.8928, 0.2256,  
0.3253

70.3879, 0.3329,  
0.3294

■ 50.5613, 0.2239,  
0.3249

■ 73.4278, 0.3450,  
0.3297

■ 50.4866, 0.2236,  
0.3248

■ 73.5663, 0.3450,  
0.3300

■ 73.7051, 0.3449,  
0.3303

■ 73.8441, 0.3449,  
0.3306

# Harmonies

## Analogous

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



56.3285, 0.2837, 0.3588



56.3285, 0.2608, 0.3275



56.3285, 0.2514, 0.2988

# Triad

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



56.3285, 0.2608, 0.3275



56.3285, 0.3075, 0.2830



56.3285, 0.3705, 0.3765

# Complementary

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



56.3285, 0.2608, 0.3275



32.7616, 0.4029, 0.3306

# 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.



56.3285, 0.3782, 0.3539



56.3285, 0.2608, 0.3275



56.3285, 0.3407, 0.3015

# Square

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



56.3285, 0.2608, 0.3275



56.3285, 0.2772, 0.2752



56.3285, 0.3671, 0.3268



56.3285, 0.3471, 0.3875



# Rectangle

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



56.3285, 0.2608, 0.3275



56.3285, 0.2536, 0.2851



56.3285, 0.3671, 0.3268



56.3285, 0.3750, 0.3699

# Sweetspot

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



56.3307, 0.2608, 0.3275



94.8302, 0.2958, 0.3286



53.7824, 0.3074, 0.4414



20.1723, 0.2937, 0.3285



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.



56.3307, 0.2608, 0.3275



83.3888, 0.2518, 0.3271



39.4503, 0.2531, 0.2742



14.0788, 0.2983, 0.3287



31.1724, 0.2236, 0.3248



1.8893, 0.2238, 0.3255



# Inverse Universe

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



35.4875, 0.3180, 0.2385



47.2136, 0.3191, 0.2201



45.4014, 0.3848, 0.3778



12.6298, 0.3140, 0.3063



11.4917, 0.3242, 0.1559

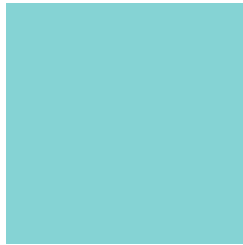


0.6940, 0.3236, 0.1556



# Previews

## White Background



This preview shows how the Yxy color 56.3285, 0.2608, 0.3275 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

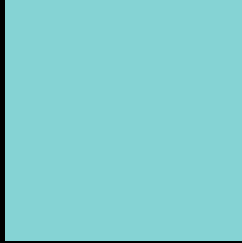
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.3285, 0.2608, 0.3275 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

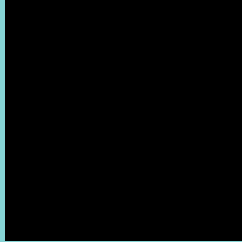
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

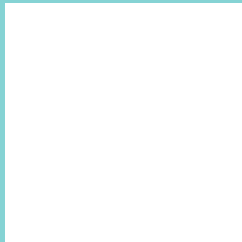
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.3285, 0.2608, 0.3275**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.3285, 0.2608, 0.3275.

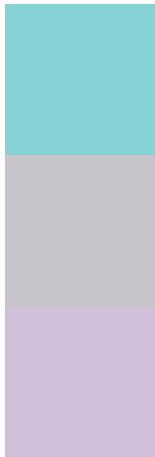


This preview shows how white text looks on a background with the Yxy color 56.3285, 0.2608, 0.3275.

# 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

56.3285, 0.2608, 0.3275

### Protanopia

55.9338, 0.3100, 0.3206

### Deuteranopia

55.4849, 0.3069, 0.3000



## Tritanopia

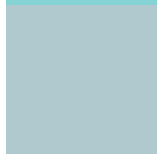
56.4103, 0.2551, 0.3072

# Trichromacy



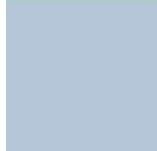
## Original Color

56.3285, 0.2608, 0.3275



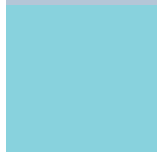
## Protanomaly

55.3435, 0.2898, 0.3227



## Deuteranomaly

54.9978, 0.2873, 0.3081



## Tritanomaly

56.5479, 0.2574, 0.3147

# Monochromacy



## Original Color

56.3285, 0.2608, 0.3275



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

51.8359, 0.2905, 0.3276

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.3285, 0.2608, 0.3275 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(133, 211, 212)` looks like.

```
.text, #text, p{  
    color:rgb(133, 211, 212)  
}
```

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(133, 211, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 211, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 56.3285, 0.2608, 0.3275 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(133, 211, 212) }
```

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

```
.border{ border-color:rgb(133, 211, 212) }
```

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

Here you see how a box with a 4 pixel rgb(133, 211, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 211, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 211, 212);  
box-shadow:4px 4px 4px 4px rgb(133, 211,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.3285, 0.2608, 0.3275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 211, 212) }
```

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

```
.background{ background-color: rgb(133,  
211, 212) }
```

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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