

# Converting Colors

$Yxy(56.6813, 0.2293, 0.3304)$

Have a look what the booklet for  
Yxy(56.6813, 0.2293, 0.3304)  
contains.

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# Color

**Yxy(56.8292, 0.2297, 0.3315)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2EDCDA
RGB	46, 220, 218
RGB Percent	18%, 86%, 85%
CMY	0.8192, 0.1373, 0.1451
CMYK	0.79, 0.00, 0.01, 0.14
HSL	179°, 71%, 52%
HSV	179°, 79%, 86%
XYZ	39.3776, 56.8292, 75.2237
YIQ	167.7460, -103.0620, -37.5100

# Conversions

## Conversions Part 2

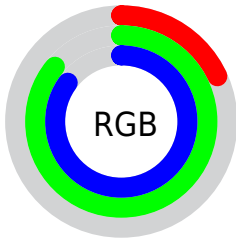
Format	Color
RYP	46, 134, 220
Decimal	3071194
CIELab	80.08, -41.41, -11.14
CIElCh	80, 42.885, 195.062
Yxy	56.8292, 0.2297, 0.3315
Android (android.graphics.Color)	4281261274 (0xFF2EDCDA)
YUV	167.7460, 24.7752, -106.7712
Hunter-Lab	75.3851, -38.6842, -6.3934

# Details

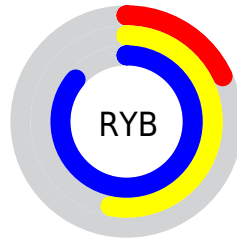
The Yxy color **56.8292, 0.2297, 0.3315** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.3913, 0.5860, 0.3284**, and the grayscale version is **38.9556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0251, 0.2460, 0.3288**, and **29.1953, 0.2252, 0.3306** is the 20% darker color. If you saturate the color by 10%, you get **56.4304, 0.2270, 0.3319**, and if you desaturate by 10%, it is **57.4939, 0.2343, 0.3311**.

# Distribution



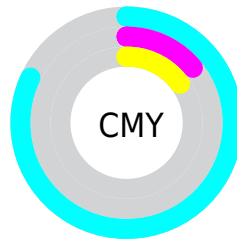
- Red (18%)
- Green (86%)
- Blue (85%)



- Red (18%)
- Yellow (53%)
- Blue (86%)



- Cyan (79%)
- Magenta (0%)
- Yellow (1%)
- Black (14%)




- Cyan (82%)
- Magenta (14%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.8292, 0.2297, 0.3315 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 56.8292, 0.2297, 0.3315 by changing the saturation by 10% instead.





 56.8292, 0.2297,  
0.3315


 56.8292, 0.2297,  
0.3315


412.8090, 0.2687,  
0.3315


 40.8681, 0.2207,  
0.3312


 100.2159, 0.2433,  
0.3317

 28.2161, 0.2096,  
0.3306


 128.4104, 0.2486,  
0.3317


 18.4886, 0.1955,  
0.3296


 161.4514, 0.2531,  
0.3317

 11.3013, 0.1773,  
0.3277

 199.7234, 0.2571,  
0.3317

 6.2699, 0.1528,  
0.3241

 243.6107, 0.2605,  
0.3316

 3.0099, 0.1188,  
0.3164

293.4979, 0.2636,

 1.1369, 0.0139,

0.3316

349.7692, 0.2663,  
0.3315

0.3165

0.0092, 0.0000,  
0.0116

0.0000, 0.0000,  
0.0000

56.8292, 0.2297,  
0.3315

56.8292, 0.2297,  
0.3315

56.4304, 0.2270,  
0.3319

57.4939, 0.2343,  
0.3311

56.2354, 0.2257,  
0.3322

58.4532, 0.2407,  
0.3308

56.2206, 0.2256,  
0.3323

59.7391, 0.2491,  
0.3304

61.3776, 0.2594,  
0.3301

63.3922, 0.2713,  
0.3298

65.8043, 0.2846,  
0.3295

68.6339, 0.2990,  
0.3292

71.8995, 0.3142,  
0.3290

75.6184, 0.3299,  
0.3288

# Harmonies

## Analogous

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



56.8292, 0.2687, 0.3879



56.8292, 0.2297, 0.3315



56.8292, 0.2125, 0.2809

# Triad

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



56.8292, 0.2297, 0.3315



56.8292, 0.2955, 0.2514



56.8292, 0.4135, 0.4020

# Complementary

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



56.8292, 0.2297, 0.3315



17.3913, 0.5860, 0.3284

# 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.



56.8292, 0.4244, 0.3613



56.8292, 0.2297, 0.3315



56.8292, 0.3527, 0.2788

# Square

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



56.8292, 0.2297, 0.3315



56.8292, 0.2477, 0.2406



56.8292, 0.4018, 0.3176



56.8292, 0.3750, 0.4282



# Rectangle

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



56.8292, 0.2297, 0.3315



56.8292, 0.2142, 0.2577



56.8292, 0.4018, 0.3176



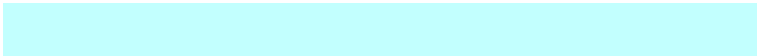
56.8292, 0.4207, 0.3893

# Sweetspot

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



56.8313, 0.2297, 0.3315



90.1377, 0.2775, 0.3296



52.0370, 0.3020, 0.5744



19.0426, 0.2729, 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.



56.8313, 0.2297, 0.3315



78.6457, 0.2260, 0.3321



23.3435, 0.1949, 0.1992



14.8269, 0.2984, 0.3292



32.9966, 0.2256, 0.3322



2.1385, 0.2255, 0.3316



# Inverse Universe

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



17.3913, 0.5860, 0.3284



21.5775, 0.6331, 0.3294



31.4187, 0.4996, 0.4129



13.0539, 0.3290, 0.3288



8.9343, 0.6388, 0.3292

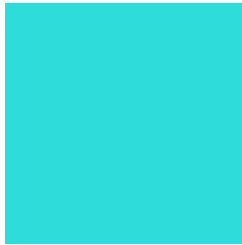


0.5797, 0.6348, 0.3270



# Previews

## White Background



This preview shows how the Yxy color 56.8292, 0.2297, 0.3315 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

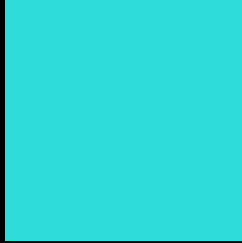
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.8292, 0.2297, 0.3315 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

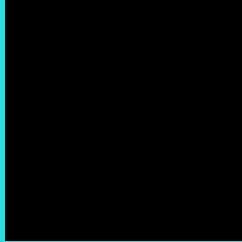
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

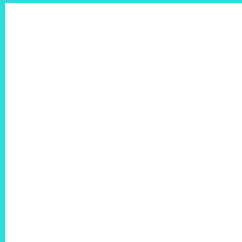
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.8292, 0.2297, 0.3315**

## Background



This preview shows how black text looks on a background with the Yxy color 56.8292, 0.2297, 0.3315.

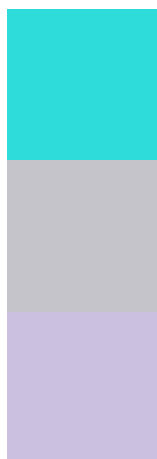


This preview shows how white text looks on a background with the Yxy color 56.8292, 0.2297, 0.3315.

# 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

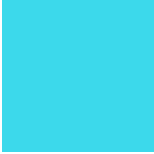
56.8292, 0.2297, 0.3315

### Protanopia

55.7974, 0.3092, 0.3206

### Deuteranopia

55.7776, 0.2981, 0.2920



## **Tritanopia**

56.5845, 0.2245, 0.3049

# Trichromacy



## Original Color

56.8292, 0.2297, 0.3315



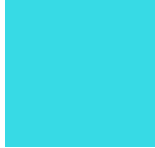
## Protanomaly

54.0563, 0.2678, 0.3249



## Deuteranomaly

53.6260, 0.2611, 0.3033



## Tritanomaly

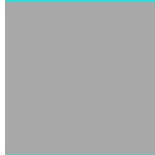
56.6122, 0.2262, 0.3140

# Monochromacy



## Original Color

56.8292, 0.2297, 0.3315



## Achromatopsia

39.1572, 0.3127, 0.3290



## Achromatomaly

43.3709, 0.2661, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.8292, 0.2297, 0.3315 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(46, 220, 218)` looks like.

```
.text, #text, p{  
    color:rgb(46, 220, 218)  
}
```

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(46, 220, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 220, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 56.8292, 0.2297, 0.3315 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(46, 220, 218) }
```

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

```
.border{ border-color:rgb(46, 220, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 220, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 220, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 220, 218);  
box-shadow:4px 4px 4px 4px rgb(46, 220,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.8292, 0.2297, 0.3315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 220, 218) }
```

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

```
.background{ background-color: rgb(46, 220,  
218) }
```

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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