

# Converting Colors

$Yxy(56.3487, 0.2576, 0.3274)$

Have a look what the booklet for  
Yxy(56.3487, 0.2576, 0.3274)  
contains.

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# Color

**Yxy(56.4803, 0.2578, 0.3275)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80D4D5
RGB	128, 212, 213
RGB Percent	50%, 83%, 84%
CMY	0.4979, 0.1686, 0.1646
CMYK	0.40, 0.00, 0.00, 0.16
HSL	181°, 50%, 67%
HSV	181°, 40%, 84%
XYZ	44.4599, 56.4803, 71.5187
YIQ	186.9980, -50.3850, -17.4970

# Conversions

## Conversions Part 2

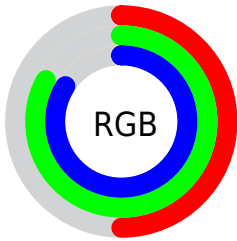
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 170, 213
Decimal	8443093
CIELab	79.89, -25.17, -8.53
CIELCh	80, 26.578, 198.725
Yxy	56.4803, 0.2578, 0.3275
Android (android.graphics.Color)	4286633173 (0xFF80D4D5)
YUV	186.9980, 12.8190, -51.7412
Hunter-Lab	75.1534, -25.9198, -3.8152

# Details

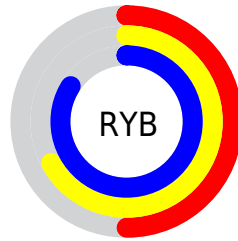
The Yxy color **56.4803, 0.2578, 0.3275** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.4199, 0.4124, 0.3306**, and the grayscale version is **49.6454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **27.9603, 0.2444, 0.3270** is the 20% darker color. If you saturate the color by 10%, you get **54.8727, 0.2475, 0.3271**, and if you desaturate by 10%, it is **58.4393, 0.2697, 0.3279**.

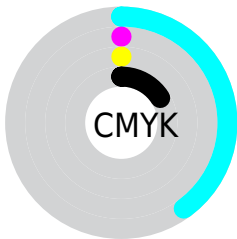
# Distribution



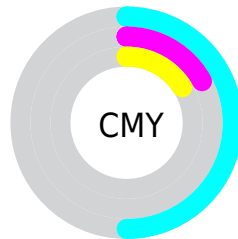
- Red (50%)
- Green (83%)
- Blue (84%)



- Red (50%)
- Yellow (67%)
- Blue (84%)



- Cyan (40%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)




- Cyan (50%)
- Magenta (17%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.4803, 0.2578, 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 56.4803, 0.2578, 0.3275 by changing the saturation by 10% instead.




 56.4803, 0.2578,  
0.3275


 56.4803, 0.2578,  
0.3275


411.4991, 0.2839,  
0.3288


 40.5881, 0.2517,  
0.3271


 99.7065, 0.2670,  
0.3281

 27.9974, 0.2440,  
0.3264


 127.8093, 0.2705,  
0.3282

 18.3237, 0.2342,  
0.3255


 160.7511, 0.2736,  
0.3284

 11.1826, 0.2211,  
0.3239

198.9163, 0.2762,  
0.3285

 6.1898, 0.2030,  
0.3213

242.6893, 0.2785,  
0.3286

 2.9608, 0.1764,  
0.3162

292.4545, 0.2805,

 1.1113, 0.1189,

0.3286

0.3102

348.5963, 0.2823,  
0.3287

0.0000, 0.0000,  
0.0000

56.4803, 0.2578,  
0.3275

56.4803, 0.2578,  
0.3275

54.8727, 0.2475,  
0.3271

58.4393, 0.2697,  
0.3279

53.5879, 0.2390,  
0.3267

60.7630, 0.2831,  
0.3283

52.6039, 0.2325,  
0.3263


63.4720, 0.2976,  
0.3287


51.8928, 0.2279,  
0.3259

66.5837, 0.3129,  
0.3290


51.4217, 0.2251,  
0.3255

70.1141, 0.3287,  
0.3293

 51.1316, 0.2237,  
0.3251

 73.9195, 0.3442,  
0.3296

 51.1289, 0.2236,  
0.3251

 74.0482, 0.3441,  
0.3299

 74.1772, 0.3441,  
0.3301

 74.3063, 0.3440,  
0.3304

# Harmonies

## Analogous

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



56.4803, 0.2821, 0.3609



56.4803, 0.2578, 0.3275



56.4803, 0.2478, 0.2969

# Triad

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



56.4803, 0.2578, 0.3275



56.4803, 0.3069, 0.2802



56.4803, 0.3741, 0.3791

# Complementary

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



56.4803, 0.2578, 0.3275



31.4199, 0.4124, 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.



56.4803, 0.3823, 0.3550



56.4803, 0.2578, 0.3275



56.4803, 0.3422, 0.2997

# Square

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



56.4803, 0.2578, 0.3275



56.4803, 0.2749, 0.2720



56.4803, 0.3704, 0.3264



56.4803, 0.3493, 0.3912



# Rectangle

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



56.4803, 0.2578, 0.3275



56.4803, 0.2501, 0.2824



56.4803, 0.3704, 0.3264



56.4803, 0.3790, 0.3721

# Sweetspot

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



56.4825, 0.2578, 0.3275



94.4179, 0.2943, 0.3286



53.7469, 0.3070, 0.4508



20.0908, 0.2923, 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.



56.4825, 0.2578, 0.3275



82.7631, 0.2488, 0.3272



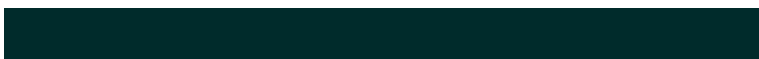
38.3416, 0.2488, 0.2696



14.0812, 0.2983, 0.3287



31.2382, 0.2237, 0.3251



1.8925, 0.2238, 0.3258



# Inverse Universe

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



34.3474, 0.3183, 0.2323



45.0518, 0.3194, 0.2136



44.6531, 0.3912, 0.3813



12.6300, 0.3140, 0.3063



11.4984, 0.3239, 0.1558

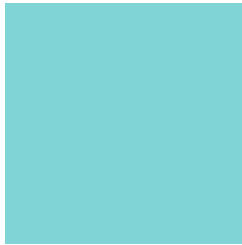


0.6944, 0.3234, 0.1555



# Previews

## White Background



This preview shows how the Yxy color 56.4803, 0.2578, 0.3275 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

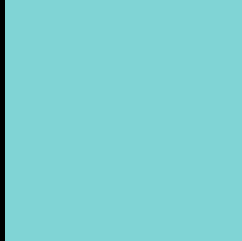
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.4803, 0.2578, 0.3275 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

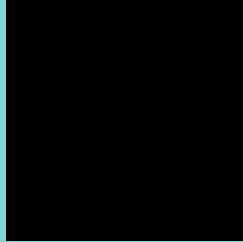
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.4803, 0.2578, 0.3275**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.4803, 0.2578, 0.3275.

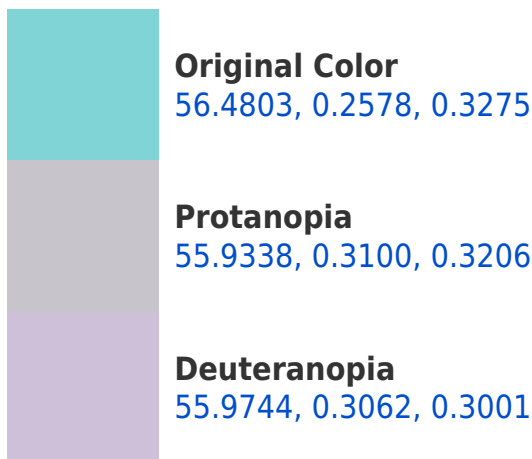


This preview shows how white text looks on a background with the Yxy color 56.4803, 0.2578, 0.3275.

# 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





## Tritanopia

56.5448, 0.2522, 0.3071

# Trichromacy



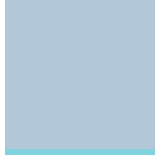
## Original Color

56.4803, 0.2578, 0.3275



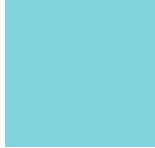
## Protanomaly

55.6303, 0.2878, 0.3227



## Deuteranomaly

55.2697, 0.2853, 0.3081



## Tritanomaly

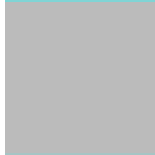
56.6878, 0.2544, 0.3147

# Monochromacy



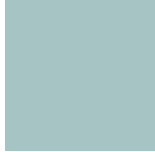
## Original Color

56.4803, 0.2578, 0.3275



## Achromatopsia

49.6933, 0.3127, 0.3290



## Achromatomaly

51.5724, 0.2898, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.4803, 0.2578, 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(128, 212, 213)` looks like.

```
.text, #text, p{  
    color:rgb(128, 212, 213)  
}
```

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(128, 212, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 212, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 56.4803, 0.2578, 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(128, 212, 213) }
```

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

```
.border{ border-color:rgb(128, 212, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 212, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 212, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 212, 213);  
box-shadow:4px 4px 4px 4px rgb(128, 212,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.4803, 0.2578, 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(128, 212, 213) }
```

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

```
.background{ background-color: rgb(128,  
212, 213) }
```

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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