

Converting Colors

$Yxy(56.8887, 0.2385, 0.3248)$

Have a look what the booklet for
Yxy(56.8887, 0.2385, 0.3248)
contains.

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Color

Yxy(56.8677, 0.2385, 0.3248)

Conversions

Conversions Part 1

Format	Color
Hex	58D9DC
RGB	88, 217, 220
RGB Percent	35%, 85%, 86%
CMY	0.6545, 0.1490, 0.1374
CMYK	0.60, 0.01, 0.00, 0.14
HSL	181°, 65%, 60%
HSV	181°, 60%, 86%
XYZ	41.7578, 56.8677, 76.4597
YIQ	178.7710, -77.8470, -26.4150

Conversions

Conversions Part 2

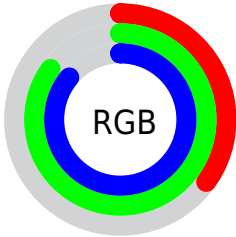
Format	Color
<code>RYB</code>	<code>88, 153, 220</code>
Decimal	<code>5822940</code>
CIELab	<code>80.11, -34.14, -12.07</code>
CIELCh	<code>80, 36.212, 199.470</code>
Yxy	<code>56.8677, 0.2385, 0.3248</code>
Android (<code>android.graphics.Color</code>)	<code>4284013020 (0xFF58D9DC)</code>
YUV	<code>178.7710, 20.3259, -79.6062</code>
Hunter-Lab	<code>75.4107, -33.1263, -7.3273</code>

Details

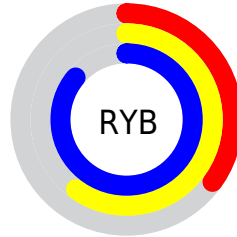
The Yxy color **56.8677, 0.2385, 0.3248** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.4086, 0.4977, 0.3327**, and the grayscale version is **44.8848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3193, 0.2566, 0.3288**, and **28.5573, 0.2231, 0.3233** is the 20% darker color. If you saturate the color by 10%, you get **55.6976, 0.2319, 0.3240**, and if you desaturate by 10%, it is **58.3667, 0.2471, 0.3256**.

Distribution



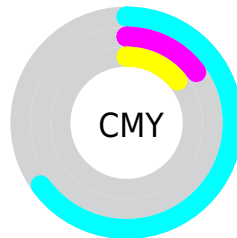
- Red (35%)
- Green (85%)
- Blue (86%)



- Red (35%)
- Yellow (60%)
- Blue (86%)



- Cyan (60%)
- Magenta (1%)
- Yellow (0%)
- Black (14%)




- Cyan (65%)
- Magenta (15%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.8677, 0.2385, 0.3248 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 56.8677, 0.2385, 0.3248 by changing the saturation by 10% instead.

 56.8677, 0.2385,
0.3248

 56.8677, 0.2385,
0.3248


412.9534, 0.2735,
0.3278

 40.8990, 0.2304,
0.3238


 100.2721, 0.2507,
0.3261

 28.2402, 0.2204,
0.3224


 128.4767, 0.2554,
0.3265

 18.5068, 0.2077,
0.3204


 161.5286, 0.2595,
0.3268

 11.3145, 0.1910,
0.3173

 199.8124, 0.2630,
0.3271

 6.2788, 0.1685,
0.3121

243.7123, 0.2661,
0.3273

 3.0153, 0.1368,
0.3026

293.6129, 0.2689,

 1.1397, 0.0589,

0.3275

0.2922

349.8984, 0.2713,
0.3277

■ 0.0116, 0.0000,
0.0134

■ 0.0000, 0.0000,
0.0000

■ 56.8677, 0.2385,
0.3248

■ 56.8677, 0.2385,
0.3248

■ 55.6976, 0.2319,
0.3240

■ 58.3667, 0.2471,
0.3256

■ 54.8198, 0.2271,
0.3233


■ 60.2146, 0.2575,
0.3263

■ 54.2008, 0.2242,
0.3225


■ 62.4372, 0.2695,
0.3270


■ 53.7774, 0.2227,
0.3218


■ 65.0560, 0.2829,
0.3277

 53.7755, 0.2227,
0.3218

 68.0912, 0.2975,
0.3284

 71.5613, 0.3128,
0.3290

 75.4837, 0.3286,
0.3296

 78.1148, 0.3380,
0.3301

 78.3763, 0.3380,
0.3306

Harmonies

Analogous

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



56.8677, 0.2699, 0.3718



56.8677, 0.2385, 0.3248



56.8677, 0.2263, 0.2838

Triad

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



56.8677, 0.2385, 0.3248



56.8677, 0.3054, 0.2649



56.8677, 0.3950, 0.3962

Complementary

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



56.8677, 0.2385, 0.3248



23.4086, 0.4977, 0.3327

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.



56.8677, 0.4075, 0.3632



56.8677, 0.2385, 0.3248



56.8677, 0.3537, 0.2905

Square

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



56.8677, 0.2385, 0.3248



56.8677, 0.2625, 0.2534



56.8677, 0.3922, 0.3254



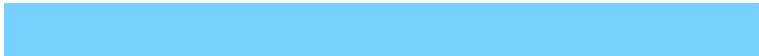
56.8677, 0.3602, 0.4141

Rectangle

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



56.8677, 0.2385, 0.3248



56.8677, 0.2297, 0.2653



56.8677, 0.3922, 0.3254



56.8677, 0.4020, 0.3863

Sweetspot

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



56.8699, 0.2385, 0.3248



91.6532, 0.2855, 0.3279



53.9900, 0.3027, 0.5193



19.3684, 0.2813, 0.3277



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.



56.8699, 0.2385, 0.3248



77.4890, 0.2304, 0.3238



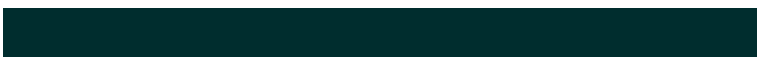
29.6466, 0.2170, 0.2285



14.7767, 0.2982, 0.3284



31.5954, 0.2228, 0.3219



2.0632, 0.2231, 0.3231

Inverse Universe

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



27.2148, 0.3223, 0.1927



32.7745, 0.3241, 0.1744



39.7695, 0.4425, 0.4074



13.2695, 0.3141, 0.3065



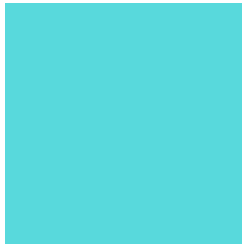
11.8133, 0.3266, 0.1573



0.7670, 0.3256, 0.1567

Previews

White Background



This preview shows how the Yxy color 56.8677, 0.2385, 0.3248 looks on a white background.

Color Contrast Check

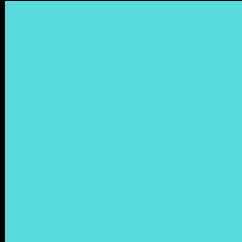
Large Text (above 18pt) WCAG AA × Fail

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 56.8677, 0.2385, 0.3248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

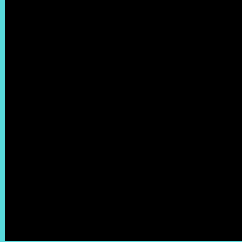
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

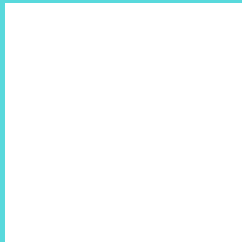
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.8677, 0.2385, 0.3248

Background



This preview shows how black text looks on a background with the Yxy color 56.8677, 0.2385, 0.3248.

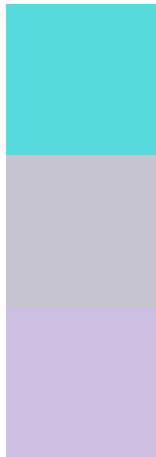


This preview shows how white text looks on a background with the Yxy color 56.8677, 0.2385, 0.3248.

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

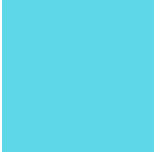
56.8677, 0.2385, 0.3248

Protanopia

55.9906, 0.3063, 0.3159

Deuteranopia

55.8320, 0.2974, 0.2909



Tritanopia

56.8068, 0.2347, 0.3066

Trichromacy



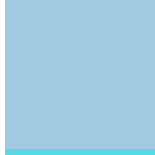
Original Color

56.8677, 0.2385, 0.3248



Protanomaly

55.2083, 0.2747, 0.3187



Deuteranomaly

54.6781, 0.2696, 0.3015



Tritanomaly

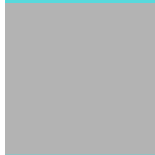
56.9885, 0.2360, 0.3130

Monochromacy



Original Color

56.8677, 0.2385, 0.3248



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

48.1460, 0.2766, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.8677, 0.2385, 0.3248 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(88, 217, 220)` looks like.

```
.text, #text, p{  
    color:rgb(88, 217, 220)  
}
```

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(88, 217, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 217, 220) }
```

Border

The CSS property to change the border of an element to Yxy 56.8677, 0.2385, 0.3248 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(88, 217, 220) }
```

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

```
.border{ border-color:rgb(88, 217, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 217, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 217, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 217, 220);  
box-shadow:4px 4px 4px 4px rgb(88, 217,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 56.8677, 0.2385, 0.3248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 217, 220) }
```

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

```
.background{ background-color: rgb(88, 217,  
220) }
```

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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