

# Converting Colors

$Yxy(57.9043, 0.2684, 0.3281)$

Have a look what the booklet for  
Yxy(57.9043, 0.2684, 0.3281)  
contains.

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# Color

**Yxy(58.0435, 0.2689, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93D4D4
RGB	147, 212, 212
RGB Percent	58%, 83%, 83%
CMY	0.4236, 0.1686, 0.1687
CMYK	0.31, 0.00, 0.00, 0.17
HSL	180°, 43%, 70%
HSV	180°, 31%, 83%
XYZ	47.4548, 58.0435, 70.9793
YIQ	192.5650, -38.7400, -13.7800

# Conversions

## Conversions Part 2

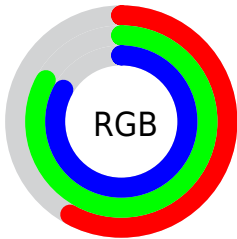
Format	Color
<b>RYB</b>	147, 180, 212
Decimal	9688276
CIELab	80.76, -20.42, -6.58
CIELCh	81, 21.457, 197.865
Yxy	58.0435, 0.2689, 0.3289
Android (android.graphics.Color)	4287878356 (0xFF93D4D4)
YUV	192.5650, 9.5815, -39.9605
Hunter-Lab	76.1863, -22.1421, -1.9074

# Details

The Yxy color **58.0435, 0.2689, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.9658, 0.3816, 0.3292**, and the grayscale version is **53.0177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **28.8754, 0.2580, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **56.2631, 0.2572, 0.3289**, and if you desaturate by 10%, it is **60.1897, 0.2821, 0.3289**.

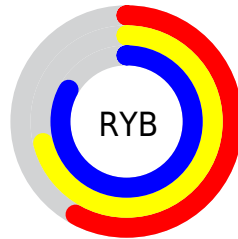
# Distribution



Red (58%)

Green (83%)

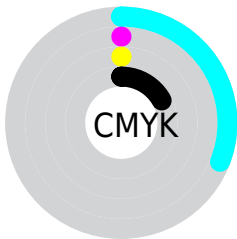
Blue (83%)



Red (58%)

Yellow (71%)

Blue (83%)

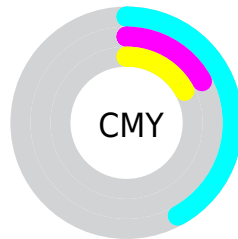


Cyan (31%)

Magenta (0%)

Yellow (0%)

Black (17%)



Cyan (42%)

Magenta (17%)


Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.0435, 0.2689, 0.3289 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 58.0435, 0.2689, 0.3289 by changing the saturation by 10% instead.





 58.0435, 0.2689,  
0.3289

 58.0435, 0.2689,  
0.3289


417.3480, 0.2898,  
0.3293

 41.8436, 0.2640,  
0.3287


 101.9862, 0.2762,  
0.3291

 28.9789, 0.2579,  
0.3284


 130.4978, 0.2791,  
0.3292

 19.0648, 0.2500,  
0.3280


163.8821, 0.2815,  
0.3292

 11.7171, 0.2395,  
0.3273

202.5235, 0.2836,  
0.3292

 6.5514, 0.2249,  
0.3260

246.8064, 0.2854,  
0.3293

 3.1832, 0.2031,  
0.3233

297.1152, 0.2870,

 1.2281, 0.1644,

0.3293

0.3184

353.8343, 0.2885,  
0.3293

0.0845, 0.0000,  
0.1327

0.0000, 0.0000,  
0.0000

58.0435, 0.2689,  
0.3289

58.0435, 0.2689,  
0.3289

56.2631, 0.2572,  
0.3289

60.1897, 0.2821,  
0.3289

54.8217, 0.2472,  
0.3289

62.7131, 0.2964,  
0.3290

53.6997, 0.2390,  
0.3289

65.6331, 0.3117,  
0.3290

52.8730, 0.2327,  
0.3288

68.9658, 0.3275,  
0.3290

■ 52.3137, 0.2284,  
0.3288

■ 72.7263, 0.3436,  
0.3291

■ 51.9888, 0.2259,  
0.3288

■ 73.1073, 0.3451,  
0.3291

■ 51.8420, 0.2247,  
0.3289

■ 73.1077, 0.3451,  
0.3291

■ 73.1081, 0.3451,  
0.3291

■ 73.1085, 0.3451,  
0.3290

# Harmonies

## Analogous

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



58.0435, 0.2890, 0.3550



58.0435, 0.2689, 0.3289



58.0435, 0.2603, 0.3043

# Triad

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



58.0435, 0.2689, 0.3289



58.0435, 0.3074, 0.2891



58.0435, 0.3623, 0.3691

# Complementary

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



58.0435, 0.2689, 0.3289



36.9658, 0.3816, 0.3292

# 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.



58.0435, 0.3682, 0.3498



58.0435, 0.2689, 0.3289



58.0435, 0.3357, 0.3048

# Square

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



58.0435, 0.2689, 0.3289



58.0435, 0.2817, 0.2828



58.0435, 0.3583, 0.3266



58.0435, 0.3430, 0.3785



# Rectangle

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



58.0435, 0.2689, 0.3289



58.0435, 0.2619, 0.2922



58.0435, 0.3583, 0.3266



58.0435, 0.3660, 0.3635

# Sweetspot

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



58.0458, 0.2689, 0.3289



95.9036, 0.2988, 0.3290



55.4996, 0.3093, 0.4183



20.3958, 0.2966, 0.3290



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.



58.0458, 0.2689, 0.3289



86.2785, 0.2609, 0.3289



43.8313, 0.2641, 0.2868



14.1078, 0.2983, 0.3290



32.0013, 0.2247, 0.3289



1.9302, 0.2247, 0.3288



# Inverse Universe

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



36.9658, 0.3816, 0.3292



49.1897, 0.4038, 0.3292



48.1087, 0.3700, 0.3676



12.4209, 0.3291, 0.3290



8.6412, 0.6400, 0.3299

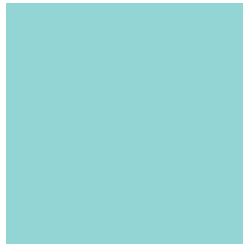


0.5212, 0.6399, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 58.0435, 0.2689, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

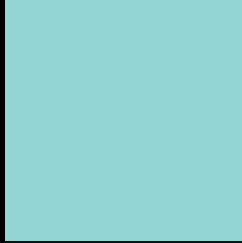
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.0435, 0.2689, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

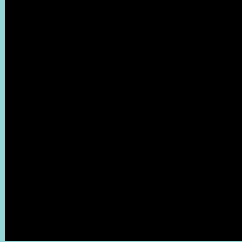
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

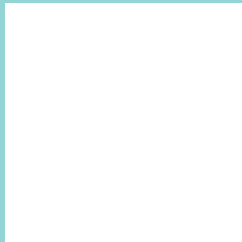
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.0435, 0.2689, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.0435, 0.2689, 0.3289.

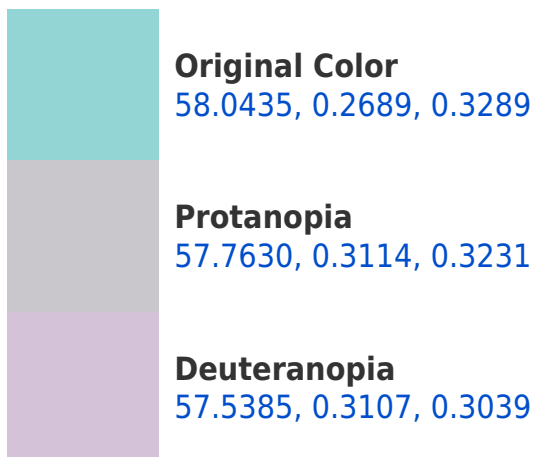


This preview shows how white text looks on a background with the Yxy color 58.0435, 0.2689, 0.3289.

# 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

58.1233, 0.2620, 0.3077

# Trichromacy



**Original Color**

58.0435, 0.2689, 0.3289

**Protanomaly**

57.6358, 0.2943, 0.3253

**Deuteranomaly**

57.3710, 0.2932, 0.3122

**Tritanomaly**

58.2520, 0.2643, 0.3150

# Monochromacy



**Original Color**

58.0435, 0.2689, 0.3289

**Achromatopsia**

53.3276, 0.3127, 0.3290

**Achromatomaly**

54.7088, 0.2945, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.0435, 0.2689, 0.3289 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(147, 212, 212)` looks like.

```
.text, #text, p{  
    color:rgb(147, 212, 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(147, 212, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 212, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 58.0435, 0.2689, 0.3289 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(147, 212, 212) }
```

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

```
.border{ border-color:rgb(147, 212, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 212, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 212, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 212, 212);  
box-shadow:4px 4px 4px 4px rgb(147, 212,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.0435, 0.2689, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 212, 212) }
```

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

```
.background{ background-color: rgb(147,  
212, 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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