

# Converting Colors

$Y_{xy}(57.2883, 0.2609, 0.3192)$

Have a look what the booklet for  
Yxy(57.2883, 0.2609, 0.3192)  
contains.

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# Color

**Yxy(57.2785, 0.2609, 0.3186)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CD3DB
RGB	140, 211, 219
RGB Percent	55%, 83%, 86%
CMY	0.4507, 0.1726, 0.1412
CMYK	0.36, 0.04, 0.00, 0.14
HSL	186°, 52%, 70%
HSV	186°, 36%, 86%
XYZ	46.9051, 57.2785, 75.5983
YIQ	190.6830, -44.8840, -12.5640

# Conversions

## Conversions Part 2

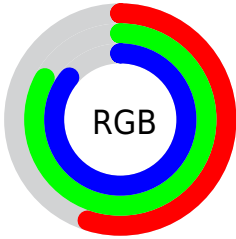
<b>Format</b>	<b>Color</b>
<b>RYB</b>	140, 177, 219
Decimal	9229275
CIELab	80.34, -20.12, -11.00
CIElCh	80, 22.931, 208.670
Yxy	57.2785, 0.2609, 0.3186
Android (android.graphics.Color)	4287419355 (0xFF8CD3DB)
YUV	190.6830, 13.9603, -44.4490
Hunter-Lab	75.6826, -21.8172, -6.2462

# Details

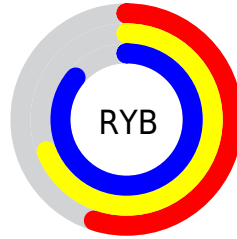
The Yxy color **57.2785, 0.2609, 0.3186** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.1631, 0.3958, 0.3390**, and the grayscale version is **51.8552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4758, 0.2784, 0.3289**, and **28.3886, 0.2478, 0.3149** is the 20% darker color. If you saturate the color by 10%, you get **54.4662, 0.2491, 0.3153**, and if you desaturate by 10%, it is **60.4892, 0.2741, 0.3218**.

# Distribution



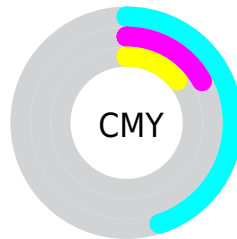
- Red (55%)
- Green (83%)
- Blue (86%)



- Red (55%)
- Yellow (69%)
- Blue (86%)



- Cyan (36%)
- Magenta (4%)
- Yellow (0%)
- Black (14%)




- Cyan (45%)
- Magenta (17%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.2785, 0.2609, 0.3186 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 57.2785, 0.2609, 0.3186 by changing the saturation by 10% instead.




 57.2785, 0.2609,  
0.3186


 57.2785, 0.2609,  
0.3186


414.4921, 0.2855,  
0.3241

 41.2289, 0.2551,  
0.3172

 100.8714, 0.2695,  
0.3207

 28.4980, 0.2480,  
0.3153


 129.1836, 0.2729,  
0.3214

 18.7014, 0.2388,  
0.3127


162.3520, 0.2757,  
0.3220

 11.4547, 0.2266,  
0.3091

200.7610, 0.2782,  
0.3226

 6.3735, 0.2098,  
0.3035

244.7952, 0.2804,  
0.3230

 3.0735, 0.1852,  
0.2943

294.8388, 0.2823,

 1.1702, 0.1417,

0.3234

0.2780

351.2763, 0.2840,  
0.3238

0.0372, 0.0000,  
0.0439

0.0000, 0.0000,  
0.0000

57.2785, 0.2609,  
0.3186

57.2785, 0.2609,  
0.3186

54.4662, 0.2491,  
0.3153

60.4892, 0.2741,  
0.3218

52.0229, 0.2388,  
0.3118

64.1124, 0.2884,  
0.3247

49.9259, 0.2304,  
0.3083

68.1694, 0.3034,  
0.3275

48.1468, 0.2239,  
0.3048

72.6785, 0.3189,  
0.3300

■ 46.6529, 0.2193,  
0.3013

■ 77.6564, 0.3346,  
0.3322

■ 45.4031, 0.2165,  
0.2978

■ 79.8585, 0.3382,  
0.3344

■ 44.9463, 0.2157,  
0.2964

■ 81.0629, 0.3379,  
0.3366

■ 82.2830, 0.3376,  
0.3388

■ 83.5188, 0.3373,  
0.3410

# Harmonies

## Analogous

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



57.2785, 0.2783, 0.3472



57.2785, 0.2609, 0.3186



57.2785, 0.2567, 0.2948

# Triad

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



57.2785, 0.2609, 0.3186



57.2785, 0.3180, 0.2914



57.2785, 0.3598, 0.3771

# Complementary

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



57.2785, 0.2609, 0.3186



38.1631, 0.3958, 0.3390

# 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.



57.2785, 0.3719, 0.3595



57.2785, 0.2609, 0.3186



57.2785, 0.3472, 0.3109

# Square

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



57.2785, 0.2609, 0.3186



57.2785, 0.2886, 0.2807



57.2785, 0.3674, 0.3354



57.2785, 0.3352, 0.3823

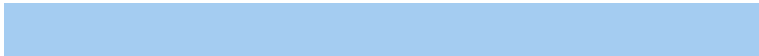


# Rectangle

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



57.2785, 0.2609, 0.3186



57.2785, 0.2618, 0.2846



57.2785, 0.3674, 0.3354



57.2785, 0.3656, 0.3724

# Sweetspot

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



57.2808, 0.2609, 0.3186



93.2605, 0.2957, 0.3261



58.3812, 0.3030, 0.4262



19.7953, 0.2937, 0.3257



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.



57.2808, 0.2609, 0.3186



77.8981, 0.2521, 0.3162



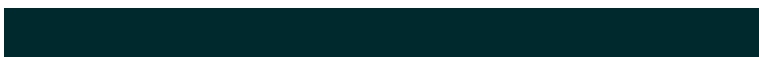
40.0682, 0.2535, 0.2652



14.5920, 0.2982, 0.3266



26.7451, 0.2158, 0.2970



1.7992, 0.2174, 0.3026



# Inverse Universe

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



38.5425, 0.3243, 0.2482



48.1420, 0.3271, 0.2325



52.6793, 0.3788, 0.3852



13.2509, 0.3153, 0.3083



11.3237, 0.3481, 0.1691



0.7403, 0.3431, 0.1664



# Previews

## White Background



This preview shows how the Yxy color 57.2785, 0.2609, 0.3186 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

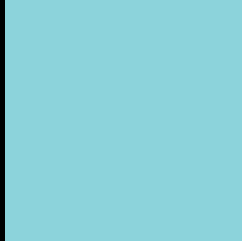
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.2785, 0.2609, 0.3186 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 57.2785, 0.2609, 0.3186**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.2785, 0.2609, 0.3186.

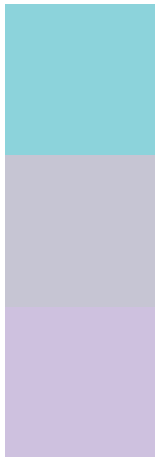


This preview shows how white text looks on a background with the Yxy color 57.2785, 0.2609, 0.3186.

# 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

57.2785, 0.2609, 0.3186

### Protanopia

56.6414, 0.3034, 0.3124

### Deuteranopia

56.5895, 0.3011, 0.2946



## Tritanopia

57.3900, 0.2575, 0.3074

# Trichromacy



**Original Color**

57.2785, 0.2609, 0.3186

**Protanomaly**

56.4432, 0.2861, 0.3142

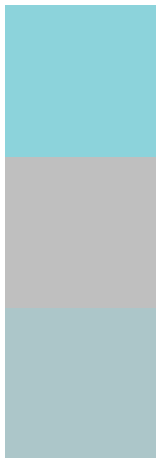
**Deuteranomaly**

56.5276, 0.2843, 0.3025

**Tritanomaly**

57.1377, 0.2585, 0.3111

# Monochromacy



**Original Color**

57.2785, 0.2609, 0.3186

**Achromatopsia**

52.0996, 0.3127, 0.3290

**Achromatomaly**

53.3759, 0.2909, 0.3251

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.2785, 0.2609, 0.3186 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(140, 211, 219)` looks like.

```
.text, #text, p{  
    color:rgb(140, 211, 219)  
}
```

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(140, 211, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 211, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 57.2785, 0.2609, 0.3186 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(140, 211, 219) }
```

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

```
.border{ border-color:rgb(140, 211, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 211, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 211, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 211, 219);  
box-shadow:4px 4px 4px 4px rgb(140, 211,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.2785, 0.2609, 0.3186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 211, 219) }
```

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

```
.background{ background-color: rgb(140,  
211, 219) }
```

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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