

# Converting Colors

$Yxy(57.9042, 0.2679, 0.3406)$

Have a look what the booklet for  
Yxy(57.9042, 0.2679, 0.3406)  
contains.

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# Color

**Yxy(57.9042, 0.2679, 0.3406)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AD6CD
RGB	138, 214, 205
RGB Percent	54%, 84%, 80%
CMY	0.4590, 0.1607, 0.1959
CMYK	0.36, 0.00, 0.04, 0.16
HSL	173°, 48%, 69%
HSV	173°, 36%, 84%
XYZ	45.5447, 57.9042, 66.5575
YIQ	190.2500, -42.4070, -18.9110

# Conversions

## Conversions Part 2

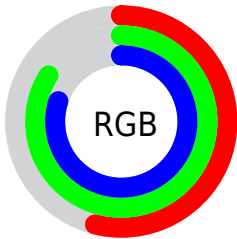
Format	Color
R <sub>YB</sub>	138, 178, 214
Decimal	9098957
CIE Lab	80.69, -25.48, -3.04
CIE LCh	81, 25.664, 186.797
Yxy	57.9042, 0.2679, 0.3406
Android (android.graphics.Color)	4287289037 (0xFF8AD6CD)
YUV	190.2500, 7.2717, -45.8233
Hunter-Lab	76.0948, -26.3290, 1.4074

# Details

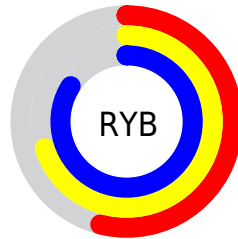
The Yxy color **57.9042, 0.2679, 0.3406** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.5651, 0.3872, 0.3181**, and the grayscale version is **51.6163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2093, 0.2773, 0.3289**, and **28.9155, 0.2568, 0.3431** is the 20% darker color. If you saturate the color by 10%, you get **56.1373, 0.2580, 0.3444**, and if you desaturate by 10%, it is **60.0373, 0.2793, 0.3370**.

# Distribution



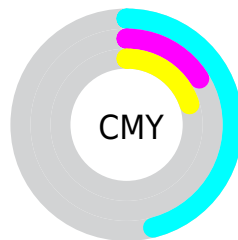
- Red (54%)
- Green (84%)
- Blue (80%)



- Red (54%)
- Yellow (70%)
- Blue (84%)



- Cyan (36%)
- Magenta (0%)
- Yellow (4%)
- Black (16%)




- Cyan (46%)
- Magenta (16%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.9042, 0.2679, 0.3406 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 57.9042, 0.2679, 0.3406 by changing the saturation by 10% instead.




 57.9042, 0.2679,  
0.3406

 57.9042, 0.2679,  
0.3406


416.8289, 0.2893,  
0.3352


 41.7316, 0.2628,  
0.3418


 101.7833, 0.2755,  
0.3387

 28.8912, 0.2565,  
0.3433


 130.2587, 0.2784,  
0.3380

 18.9985, 0.2483,  
0.3452


 163.6038, 0.2808,  
0.3374

 11.6692, 0.2374,  
0.3476

202.2030, 0.2830,  
0.3369

 6.5189, 0.2222,  
0.3509

246.4407, 0.2849,  
0.3364

 3.1631, 0.1993,  
0.3553

296.7013, 0.2865,

 1.2175, 0.1510,

0.3360

353.3693, 0.2880,  
0.3356

0.3661

0.0759, 0.0000,  
0.2046

0.0000, 0.0000,  
0.0000

57.9042, 0.2679,  
0.3406

57.9042, 0.2679,  
0.3406

56.1373, 0.2580,  
0.3444

60.0373, 0.2793,  
0.3370

54.7083, 0.2497,  
0.3484

62.5492, 0.2917,  
0.3337

53.5962, 0.2432,  
0.3524

65.4602, 0.3051,  
0.3306

52.7745, 0.2387,  
0.3565

68.7873, 0.3190,  
0.3278

■ 52.2125, 0.2360,  
0.3606

■ 72.5465, 0.3331,  
0.3253

■ 51.8723, 0.2352,  
0.3647

■ 74.5346, 0.3389,  
0.3228

■ 51.7617, 0.2352,  
0.3665

■ 74.6695, 0.3370,  
0.3203

■ 74.8064, 0.3352,  
0.3178

■ 74.9454, 0.3334,  
0.3153

# Harmonies

## Analogous

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



57.9042, 0.2955, 0.3703



57.9042, 0.2679, 0.3406



57.9042, 0.2524, 0.3091

# Triad

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



57.9042, 0.2679, 0.3406



57.9042, 0.2941, 0.2776



57.9042, 0.3768, 0.3690

# Complementary

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



57.9042, 0.2679, 0.3406



34.5651, 0.3872, 0.3181

# 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.



57.9042, 0.3770, 0.3433



57.9042, 0.2679, 0.3406



57.9042, 0.3278, 0.2924

# Square

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



57.9042, 0.2679, 0.3406



57.9042, 0.2669, 0.2747



57.9042, 0.3587, 0.3158



57.9042, 0.3588, 0.3858



# Rectangle

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



57.9042, 0.2679, 0.3406



57.9042, 0.2505, 0.2921



57.9042, 0.3587, 0.3158



57.9042, 0.3791, 0.3610

# Sweetspot

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



57.9065, 0.2679, 0.3406



94.8515, 0.2976, 0.3323



56.2358, 0.3147, 0.4332



20.1775, 0.2957, 0.3327



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

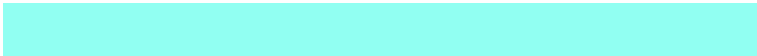


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.9065, 0.2679, 0.3406



83.9865, 0.2599, 0.3436



45.4238, 0.2578, 0.2914



14.0815, 0.2998, 0.3317



31.2938, 0.2350, 0.3659



1.8948, 0.2330, 0.3589



# Inverse Universe

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



34.5651, 0.3872, 0.3181



44.0963, 0.4125, 0.3157



43.3454, 0.3851, 0.3635



12.4444, 0.3273, 0.3263



8.6921, 0.6247, 0.3215

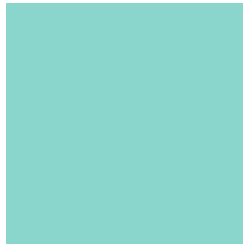


0.5324, 0.5883, 0.3014



# Previews

## White Background



This preview shows how the Yxy color 57.9042, 0.2679, 0.3406 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

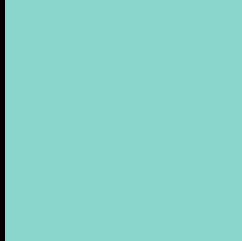
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.9042, 0.2679, 0.3406 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

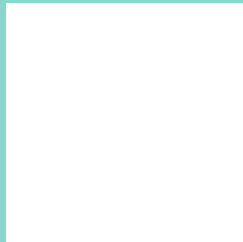
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.9042, 0.2679, 0.3406**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.9042, 0.2679, 0.3406.



This preview shows how white text looks on a background with the Yxy color 57.9042, 0.2679, 0.3406.

# 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

57.9042, 0.2679, 0.3406

### Protanopia

57.2111, 0.3189, 0.3314

### Deuteranopia

57.0395, 0.3176, 0.3107



## Tritanopia

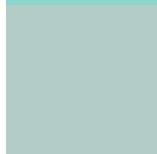
58.1193, 0.2582, 0.3076

# Trichromacy



## Original Color

57.9042, 0.2679, 0.3406



## Protanomaly

57.0126, 0.2982, 0.3352



## Deuteranomaly

56.7665, 0.2965, 0.3204



## Tritanomaly

58.0051, 0.2616, 0.3187

# Monochromacy



## Original Color

57.9042, 0.2679, 0.3406



## Achromatopsia

51.4918, 0.3127, 0.3290



## Achromatomaly

53.4449, 0.2942, 0.3341

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  57.9042, 0.2679, 0.3406 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(138, 214, 205)` looks like.

```
.text, #text, p{  
    color:rgb(138, 214, 205)  
}
```

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(138, 214, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 214, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 57.9042, 0.2679, 0.3406 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(138, 214, 205) }
```

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

```
.border{ border-color:rgb(138, 214, 205) }
```

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

Here you see how a box with a 4 pixel rgb(138, 214, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 214, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 214, 205);  
box-shadow:4px 4px 4px 4px rgb(138, 214,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.9042, 0.2679, 0.3406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 214, 205) }
```

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

```
.background{ background-color: rgb(138,  
214, 205) }
```

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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