

# Converting Colors

$Yxy(57.5202, 0.2664, 0.3267)$

Have a look what the booklet for  
Yxy(57.5202, 0.2664, 0.3267)  
contains.

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# Color

**Yxy(57.3219, 0.2664, 0.3263)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	90D3D5
RGB	144, 211, 213
RGB Percent	56%, 83%, 84%
CMY	0.4355, 0.1725, 0.1647
CMYK	0.32, 0.01, 0.00, 0.16
HSL	182°, 45%, 70%
HSV	182°, 32%, 84%
XYZ	46.7991, 57.3219, 71.5514
YIQ	191.1950, -40.5740, -13.5820

# Conversions

## Conversions Part 2

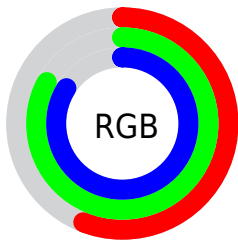
<b>Format</b>	<b>Color</b>
<b>RYB</b>	144, 178, 213
Decimal	9491413
CIELab	80.36, -20.52, -7.74
CIELCh	80, 21.934, 200.667
Yxy	57.3219, 0.2664, 0.3263
Android (android.graphics.Color)	4287681493 (0xFF90D3D5)
YUV	191.1950, 10.7499, -41.3900
Hunter-Lab	75.7112, -22.1590, -3.0345

# Details

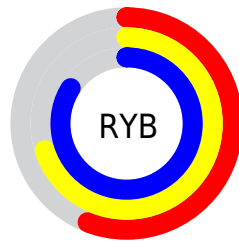
The Yxy color **57.3219, 0.2664, 0.3263** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.6976, 0.3863, 0.3317**, and the grayscale version is **52.1682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **28.4192, 0.2550, 0.3253** is the 20% darker color. If you saturate the color by 10%, you get **55.2799, 0.2547, 0.3254**, and if you desaturate by 10%, it is **59.7315, 0.2795, 0.3272**.

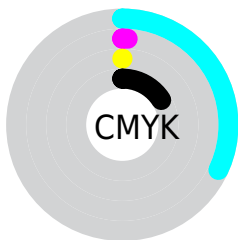
# Distribution



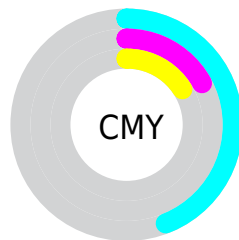
- Red (56%)
- Green (83%)
- Blue (84%)



- Red (56%)
- Yellow (70%)
- Blue (84%)



- Cyan (32%)
- Magenta (1%)
- Yellow (0%)
- Black (16%)




- Cyan (44%)
- Magenta (17%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.3219, 0.2664, 0.3263 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 57.3219, 0.2664, 0.3263 by changing the saturation by 10% instead.




 57.3219, 0.2664,  
0.3263

 57.3219, 0.2664,  
0.3263


414.6544, 0.2885,  
0.3280

 41.2637, 0.2612,  
0.3258


 100.9347, 0.2742,  
0.3270

 28.5252, 0.2547,  
0.3251


 129.2582, 0.2772,  
0.3272

 18.7220, 0.2464,  
0.3241


162.4389, 0.2797,  
0.3274

 11.4695, 0.2353,  
0.3226

200.8612, 0.2819,  
0.3276

 6.3836, 0.2198,  
0.3202

244.9095, 0.2839,  
0.3277

 3.0797, 0.1969,  
0.3157

294.9682, 0.2856,

 1.1735, 0.1546,

0.3278

0.3079

351.4217, 0.2871,  
0.3279

0.0399, 0.0000,  
0.0639

0.0000, 0.0000,  
0.0000

57.3219, 0.2664,  
0.3263

57.3219, 0.2664,  
0.3263

55.2799, 0.2547,  
0.3254

59.7315, 0.2795,  
0.3272

53.5781, 0.2447,  
0.3244

62.5205, 0.2938,  
0.3280

52.1964, 0.2365,  
0.3234

65.7088, 0.3090,  
0.3288

51.1098, 0.2302,  
0.3225

69.3128, 0.3247,  
0.3295

■ 50.2893, 0.2259,  
0.3215

■ 73.3480, 0.3406,  
0.3302

■ 49.7002, 0.2233,  
0.3206

■ 74.5128, 0.3440,  
0.3308

■ 49.3630, 0.2222,  
0.3199

■ 74.8257, 0.3439,  
0.3314

■ 75.1398, 0.3438,  
0.3321

■ 75.4551, 0.3437,  
0.3327

# Harmonies

## Analogous

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



57.3219, 0.2861, 0.3534



57.3219, 0.2664, 0.3263



57.3219, 0.2588, 0.3016

# Triad

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



57.3219, 0.2664, 0.3263



57.3219, 0.3100, 0.2892



57.3219, 0.3623, 0.3716

# Complementary

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



57.3219, 0.2664, 0.3263



36.6976, 0.3863, 0.3317

# 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.



57.3219, 0.3698, 0.3524



57.3219, 0.2664, 0.3263



57.3219, 0.3388, 0.3061

# Square

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



57.3219, 0.2664, 0.3263



57.3219, 0.2831, 0.2818



57.3219, 0.3611, 0.3287



57.3219, 0.3414, 0.3800



# Rectangle

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



57.3219, 0.2664, 0.3263



57.3219, 0.2613, 0.2899



57.3219, 0.3611, 0.3287



57.3219, 0.3665, 0.3661

# Sweetspot

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



57.3242, 0.2664, 0.3263



95.0120, 0.2973, 0.3282



55.5632, 0.3075, 0.4229



20.1972, 0.2951, 0.3281



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.



57.3242, 0.2664, 0.3263



83.9464, 0.2581, 0.3257



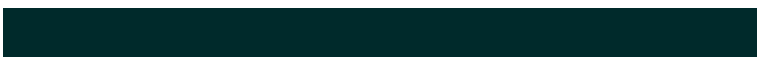
42.3016, 0.2608, 0.2808



14.0435, 0.2983, 0.3283



30.1786, 0.2222, 0.3200



1.8400, 0.2227, 0.3216



# Inverse Universe

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



38.7810, 0.3183, 0.2510



51.9228, 0.3196, 0.2349



48.6510, 0.3732, 0.3726



12.6262, 0.3142, 0.3067



11.3914, 0.3282, 0.1582

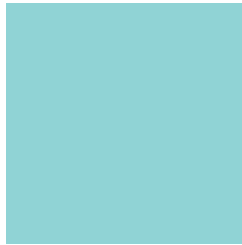


0.6891, 0.3269, 0.1574



# Previews

## White Background



This preview shows how the Yxy color 57.3219, 0.2664, 0.3263 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

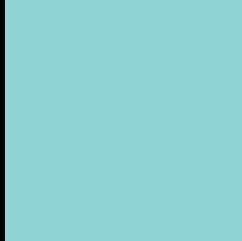
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.3219, 0.2664, 0.3263 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

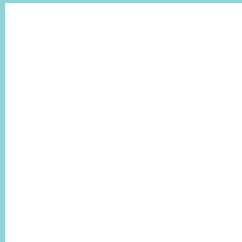
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.3219, 0.2664, 0.3263**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.3219, 0.2664, 0.3263.

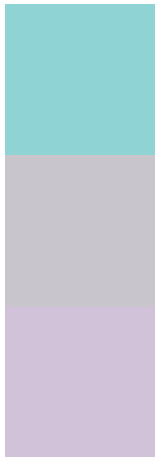


This preview shows how white text looks on a background with the Yxy color 57.3219, 0.2664, 0.3263.

# 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

57.3219, 0.2664, 0.3263

### Protanopia

56.6196, 0.3092, 0.3195

### Deuteranopia

56.7050, 0.3077, 0.3014



## Tritanopia

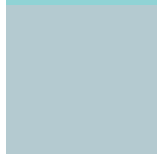
57.2950, 0.2606, 0.3075

# Trichromacy



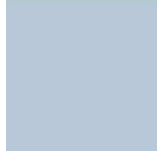
## Original Color

57.3219, 0.2664, 0.3263



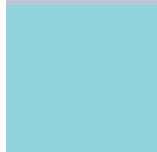
## Protanomaly

56.4984, 0.2921, 0.3216



## Deuteranomaly

56.5807, 0.2904, 0.3096



## Tritanomaly

57.4246, 0.2630, 0.3149

# Monochromacy



## Original Color

57.3219, 0.2664, 0.3263



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

53.5104, 0.2937, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.3219, 0.2664, 0.3263 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(144, 211, 213)` looks like.

```
.text, #text, p{  
    color:rgb(144, 211, 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(144, 211, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 211, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 57.3219, 0.2664, 0.3263 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(144, 211, 213) }
```

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

```
.border{ border-color:rgb(144, 211, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 211, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 211, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 211, 213);  
box-shadow:4px 4px 4px 4px rgb(144, 211,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.3219, 0.2664, 0.3263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 211, 213) }
```

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

```
.background{ background-color: rgb(144,  
211, 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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