

# Converting Colors

$Yxy(57.7613, 0.2688, 0.3314)$

Have a look what the booklet for  
Yxy(57.7613, 0.2688, 0.3314)  
contains.

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# Color

**Yxy(57.7599, 0.2689, 0.3314)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91D4D2
RGB	145, 212, 210
RGB Percent	57%, 83%, 82%
CMY	0.4310, 0.1687, 0.1764
CMYK	0.32, 0.00, 0.01, 0.17
HSL	178°, 44%, 70%
HSV	178°, 32%, 83%
XYZ	46.8667, 57.7599, 69.6639
YIQ	191.7390, -39.2900, -14.8260

# Conversions

## Conversions Part 2

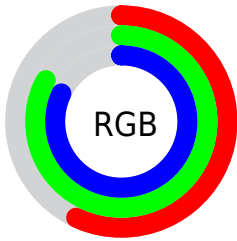
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 179, 212
Decimal	9557202
CIELab	80.61, -21.39, -5.78
CIElCh	81, 22.154, 195.115
Yxy	57.7599, 0.2689, 0.3314
Android (android.graphics.Color)	4287747282 (0xFF91D4D2)
YUV	191.7390, 9.0027, -40.9901
Hunter-Lab	75.9999, -22.9246, -1.1471

# Details

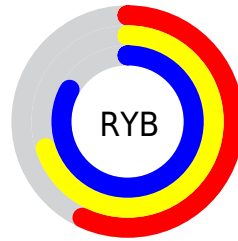
The Yxy color **57.7599, 0.2689, 0.3314** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.3817, 0.3822, 0.3267**, and the grayscale version is **52.5282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1575, 0.2811, 0.3289**, and **28.7384, 0.2574, 0.3306** is the 20% darker color. If you saturate the color by 10%, you get **55.9803, 0.2576, 0.3323**, and if you desaturate by 10%, it is **59.9036, 0.2817, 0.3306**.

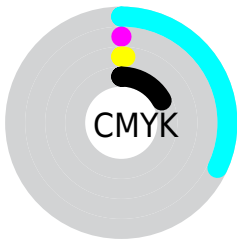
# Distribution



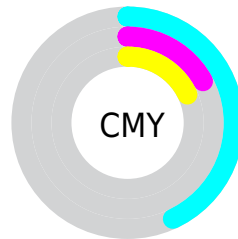
- Red (57%)
- Green (83%)
- Blue (82%)



- Red (57%)
- Yellow (70%)
- Blue (83%)



- Cyan (32%)
- Magenta (0%)
- Yellow (1%)
- Black (17%)




- Cyan (43%)
- Magenta (17%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.7599, 0.2689, 0.3314 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 57.7599, 0.2689, 0.3314 by changing the saturation by 10% instead.





 57.7599, 0.2689,  
0.3314


 57.7599, 0.2689,  
0.3314


416.2907, 0.2898,  
0.3306

 41.6157, 0.2640,  
0.3315


 101.5731, 0.2763,  
0.3312

 28.8005, 0.2578,  
0.3316

 130.0109, 0.2791,  
0.3311

 18.9299, 0.2499,  
0.3317


163.3153, 0.2815,  
0.3310

 11.6197, 0.2393,  
0.3316

201.8708, 0.2836,  
0.3309

 6.4853, 0.2246,  
0.3312

246.0616, 0.2854,  
0.3308

 3.1423, 0.2026,  
0.3300

296.2723, 0.2871,

 1.2065, 0.1616,

0.3307

0.3283

352.8872, 0.2885,  
0.3306

0.0670, 0.0000,  
0.1232

0.0000, 0.0000,  
0.0000

57.7599, 0.2689,  
0.3314

57.7599, 0.2689,  
0.3314

55.9803, 0.2576,  
0.3323

59.9036, 0.2817,  
0.3306

54.5378, 0.2479,  
0.3332

62.4230, 0.2956,  
0.3298

53.4129, 0.2401,  
0.3341

65.3375, 0.3104,  
0.3291

52.5809, 0.2342,  
0.3351

68.6634, 0.3257,  
0.3285

■ 52.0138, 0.2302,  
0.3361

■ 72.4158, 0.3413,  
0.3279

■ 51.6777, 0.2280,  
0.3370

■ 73.1828, 0.3439,  
0.3273

■ 51.5246, 0.2272,  
0.3378

■ 73.2146, 0.3434,  
0.3267

■ 73.2466, 0.3429,  
0.3260

■ 73.2787, 0.3425,  
0.3254

# Harmonies

## Analogous

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



57.7599, 0.2905, 0.3581



57.7599, 0.2689, 0.3314



57.7599, 0.2588, 0.3054

# Triad

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



57.7599, 0.2689, 0.3314



57.7599, 0.3046, 0.2868



57.7599, 0.3652, 0.3689

# Complementary

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



57.7599, 0.2689, 0.3314



36.3817, 0.3822, 0.3267

# 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.



57.7599, 0.3698, 0.3483



57.7599, 0.2689, 0.3314



57.7599, 0.3339, 0.3022

# Square

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



57.7599, 0.2689, 0.3314



57.7599, 0.2786, 0.2813



57.7599, 0.3582, 0.3243



57.7599, 0.3462, 0.3799



# Rectangle

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



57.7599, 0.2689, 0.3314



57.7599, 0.2596, 0.2924



57.7599, 0.3582, 0.3243



57.7599, 0.3685, 0.3628

# Sweetspot

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



57.7622, 0.2689, 0.3314



95.8608, 0.2991, 0.3296



55.3599, 0.3099, 0.4211



20.3851, 0.2970, 0.3297



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

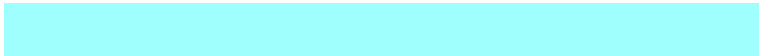


# Same Dimension

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



57.7622, 0.2689, 0.3314



85.8372, 0.2610, 0.3320



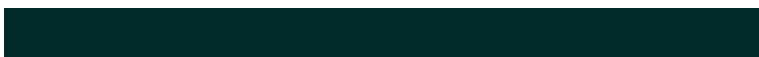
43.7342, 0.2628, 0.2870



14.1013, 0.2987, 0.3297



31.8161, 0.2271, 0.3377



1.9210, 0.2267, 0.3360



# Inverse Universe

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



36.3817, 0.3822, 0.3267



48.3192, 0.4046, 0.3263



47.2138, 0.3724, 0.3675



12.4267, 0.3287, 0.3284



8.6521, 0.6367, 0.3281

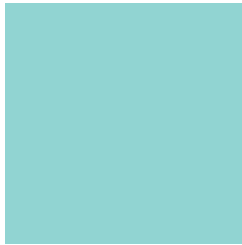


0.5240, 0.6261, 0.3222



# Previews

## White Background



This preview shows how the Yxy color 57.7599, 0.2689, 0.3314 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

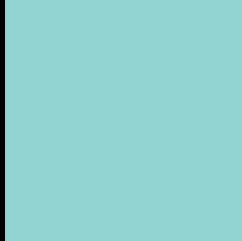
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.7599, 0.2689, 0.3314 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

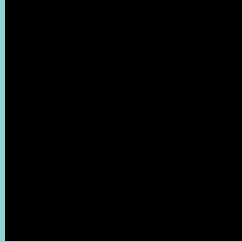
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

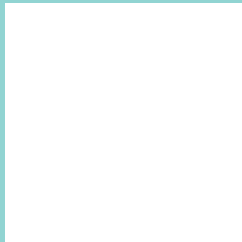
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.7599, 0.2689, 0.3314**

## Background



This preview shows how black text looks on a background with the Yxy color 57.7599, 0.2689, 0.3314.

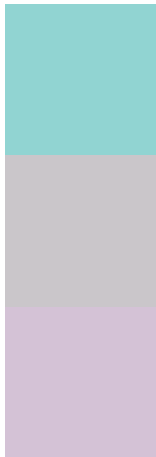


This preview shows how white text looks on a background with the Yxy color 57.7599, 0.2689, 0.3314.

# 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

57.7599, 0.2689, 0.3314

### Protanopia

57.2090, 0.3129, 0.3243

### Deuteranopia

57.4357, 0.3122, 0.3061



## Tritanopia

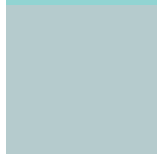
57.4815, 0.2618, 0.3076

# Trichromacy



## Original Color

57.7599, 0.2689, 0.3314



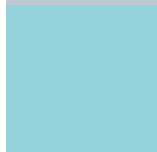
## Protanomaly

56.9434, 0.2949, 0.3265



## Deuteranomaly

57.2688, 0.2946, 0.3145



## Tritanomaly

57.5564, 0.2647, 0.3162

# Monochromacy



## Original Color

57.7599, 0.2689, 0.3314



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

54.0843, 0.2944, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.7599, 0.2689, 0.3314 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(145, 212, 210)` looks like.

```
.text, #text, p{  
    color:rgb(145, 212, 210)  
}
```

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(145, 212, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 212, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 57.7599, 0.2689, 0.3314 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(145, 212, 210) }
```

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

```
.border{ border-color:rgb(145, 212, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 212, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 212, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 212, 210);  
box-shadow:4px 4px 4px 4px rgb(145, 212,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.7599, 0.2689, 0.3314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 212, 210) }
```

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

```
.background{ background-color: rgb(145,  
212, 210) }
```

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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