

# Converting Colors

$Yxy(57.3534, 0.2600, 0.3356)$

Have a look what the booklet for  
Yxy(57.3534, 0.2600, 0.3356)  
contains.

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# Color

**Yxy(57.2086, 0.2598, 0.3354)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FD6D1
RGB	127, 214, 209
RGB Percent	50%, 84%, 82%
CMY	0.5018, 0.1608, 0.1803
CMYK	0.41, 0.00, 0.02, 0.16
HSL	177°, 51%, 67%
HSV	177°, 41%, 84%
XYZ	44.3136, 57.2086, 69.0460
YIQ	187.4170, -50.2470, -19.9990

# Conversions

## Conversions Part 2

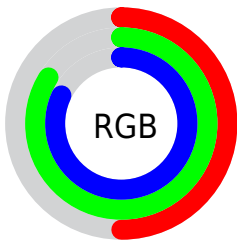
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 172, 214
Decimal	8378065
CIELab	80.30, -27.37, -5.80
CIElCh	80, 27.973, 191.961
Yxy	57.2086, 0.2598, 0.3354
Android (android.graphics.Color)	4286568145 (0xFF7FD6D1)
YUV	187.4170, 10.6404, -52.9857
Hunter-Lab	75.6364, -27.7845, -1.1785

# Details

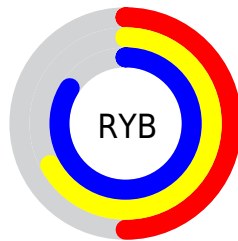
The Yxy color **57.2086, 0.2598, 0.3354** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.1491, 0.4096, 0.3231**, and the grayscale version is **49.9079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **28.4649, 0.2460, 0.3360** is the 20% darker color. If you saturate the color by 10%, you get **55.6777, 0.2502, 0.3372**, and if you desaturate by 10%, it is **59.0934, 0.2710, 0.3337**.

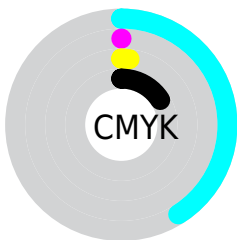
# Distribution



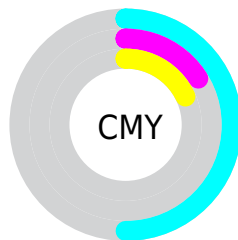
- Red (50%)
- Green (84%)
- Blue (82%)



- Red (50%)
- Yellow (67%)
- Blue (84%)



- Cyan (41%)
- Magenta (0%)
- Yellow (2%)
- Black (16%)




- Cyan (50%)
- Magenta (16%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.2086, 0.2598, 0.3354 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 57.2086, 0.2598, 0.3354 by changing the saturation by 10% instead.





 57.2086, 0.2598,  
0.3354

 57.2086, 0.2598,  
0.3354


414.2305, 0.2850,  
0.3327


 41.1727, 0.2539,  
0.3359


 100.7695, 0.2687,  
0.3345

 28.4541, 0.2465,  
0.3365


 129.0633, 0.2721,  
0.3342

 18.6682, 0.2369,  
0.3372


 162.2119, 0.2750,  
0.3339

 11.4308, 0.2243,  
0.3379

200.5997, 0.2776,  
0.3336

 6.3574, 0.2067,  
0.3385

244.6111, 0.2798,  
0.3333

 3.0636, 0.1807,  
0.3385

294.6304, 0.2817,

 1.1650, 0.1222,

0.3331

351.0421, 0.2835,  
0.3329

0.3426

0.0329, 0.0000,  
0.0693

0.0000, 0.0000,  
0.0000

57.2086, 0.2598,  
0.3354

57.2086, 0.2598,  
0.3354

55.6777, 0.2502,  
0.3372

59.0934, 0.2710,  
0.3337

54.4717, 0.2424,  
0.3391

61.3458, 0.2836,  
0.3320

53.5679, 0.2365,  
0.3410


63.9866, 0.2973,  
0.3305

52.9381, 0.2325,  
0.3429

67.0335, 0.3118,  
0.3291

 52.5483, 0.2304,  
0.3448


 70.5028, 0.3267,  
0.3278

 52.3448, 0.2296,  
0.3466

 74.3280, 0.3416,  
0.3267

 74.3917, 0.3407,  
0.3255

 74.4557, 0.3399,  
0.3242

 74.5203, 0.3390,  
0.3230

# Harmonies

## Analogous

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



57.2086, 0.2879, 0.3695



57.2086, 0.2598, 0.3354



57.2086, 0.2458, 0.3017

# Triad

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



57.2086, 0.2598, 0.3354



57.2086, 0.2983, 0.2750



57.2086, 0.3807, 0.3765

# Complementary

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



57.2086, 0.2598, 0.3354



31.1491, 0.4096, 0.3231

# 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.



57.2086, 0.3847, 0.3495



57.2086, 0.2598, 0.3354



57.2086, 0.3355, 0.2930

# Square

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



57.2086, 0.2598, 0.3354



57.2086, 0.2670, 0.2694



57.2086, 0.3678, 0.3195



57.2086, 0.3580, 0.3929



# Rectangle

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



57.2086, 0.2598, 0.3354



57.2086, 0.2456, 0.2846



57.2086, 0.3678, 0.3195



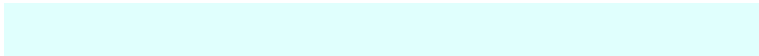
57.2086, 0.3844, 0.3683

# Sweetspot

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



57.2109, 0.2598, 0.3354



94.5392, 0.2952, 0.3307



54.5974, 0.3107, 0.4521



20.1196, 0.2934, 0.3309



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.



57.2109, 0.2598, 0.3354



83.0385, 0.2512, 0.3370



40.5430, 0.2489, 0.2767



14.0951, 0.2990, 0.3303



31.6456, 0.2295, 0.3463



1.9125, 0.2286, 0.3430



# Inverse Universe

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



31.1491, 0.4096, 0.3231



39.0501, 0.4434, 0.3221



42.6374, 0.3960, 0.3755



12.4322, 0.3282, 0.3277



8.6625, 0.6335, 0.3263

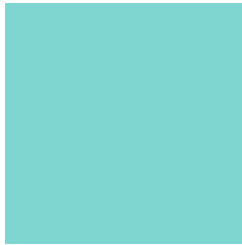


0.5266, 0.6135, 0.3154



# Previews

## White Background



This preview shows how the Yxy color 57.2086, 0.2598, 0.3354 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

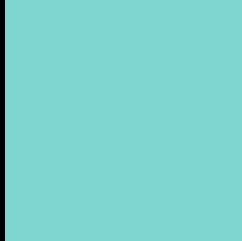
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.2086, 0.2598, 0.3354 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

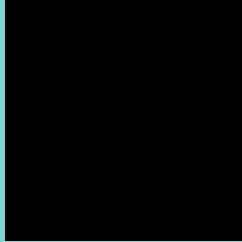
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

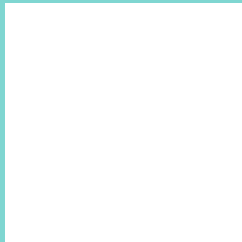
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.2086, 0.2598, 0.3354**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.2086, 0.2598, 0.3354.



This preview shows how white text looks on a background with the Yxy color 57.2086, 0.2598, 0.3354.

# 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

57.2086, 0.2598, 0.3354

### Protanopia

56.4735, 0.3144, 0.3266

### Deuteranopia

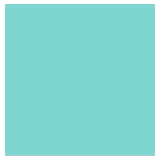
56.6966, 0.3107, 0.3048



## Tritanopia

57.0955, 0.2519, 0.3072

# Trichromacy



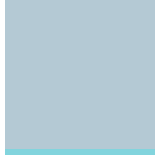
## Original Color

57.2086, 0.2598, 0.3354



## Protanomaly

56.0223, 0.2912, 0.3289



## Deuteranomaly

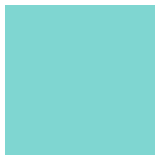
56.2301, 0.2894, 0.3155



## Tritanomaly

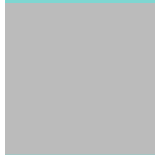
57.0533, 0.2546, 0.3172

# Monochromacy



## Original Color

57.2086, 0.2598, 0.3354



## Achromatopsia

49.6933, 0.3127, 0.3290



## Achromatomaly

51.8720, 0.2897, 0.3315

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  57.2086, 0.2598, 0.3354 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(127, 214, 209)` looks like.

```
.text, #text, p{  
    color:rgb(127, 214, 209)  
}
```

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(127, 214, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 214, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 57.2086, 0.2598, 0.3354 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(127, 214, 209) }
```

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

```
.border{ border-color:rgb(127, 214, 209) }
```

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

Here you see how a box with a 4 pixel rgb(127, 214, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 214, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 214, 209);  
box-shadow:4px 4px 4px 4px rgb(127, 214,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.2086, 0.2598, 0.3354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 214, 209) }
```

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

```
.background{ background-color: rgb(127,  
214, 209) }
```

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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