

# Converting Colors

$Y_{xy}(57.6473, 0.2260, 0.3097)$

Have a look what the booklet for  
Yxy(57.6473, 0.2260, 0.3097)  
contains.

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# Color

**Yxy(57.5956, 0.2258, 0.3089)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3DDBEA
RGB	61, 219, 234
RGB Percent	24%, 86%, 92%
CMY	0.7615, 0.1411, 0.0823
CMYK	0.74, 0.06, 0.00, 0.08
HSL	185°, 81%, 58%
HSV	185°, 74%, 92%
XYZ	42.1013, 57.5956, 86.7570
YIQ	173.4680, -98.9830, -28.8310

# Conversions

## Conversions Part 2

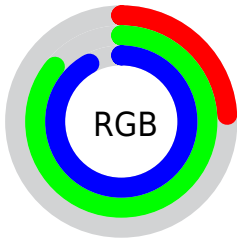
Format	Color
R <sub>Y</sub> B	61, 144, 234
Decimal	4053994
CIE Lab	80.51, -34.86, -19.01
CIE LCh	81, 39.710, 208.606
Yxy	57.5956, 0.2258, 0.3089
Android (android.graphics.Color)	4282244074 (0xFF3DDBEA)
YUV	173.4680, 29.8423, -98.6344
Hunter-Lab	75.8918, -33.7869, -14.6542

# Details

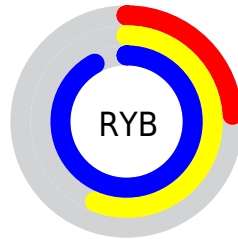
The Yxy color **57.5956, 0.2258, 0.3089** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **22.9780, 0.5559, 0.3420**, and the grayscale version is **41.8997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **29.4087, 0.2174, 0.3025** is the 20% darker color. If you saturate the color by 10%, you get **55.9603, 0.2211, 0.3059**, and if you desaturate by 10%, it is **59.5714, 0.2325, 0.3119**.

# Distribution



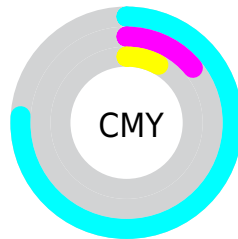
- Red (24%)
- Green (86%)
- Blue (92%)



- Red (24%)
- Yellow (56%)
- Blue (92%)



- Cyan (74%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)




- Cyan (76%)
- Magenta (14%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.5956, 0.2258, 0.3089 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 57.5956, 0.2258, 0.3089 by changing the saturation by 10% instead.




 57.5956, 0.2258,  
0.3089

 57.5956, 0.2258,  
0.3089


415.6774, 0.2662,  
0.3199

 41.4836, 0.2166,  
0.3059


 101.3337, 0.2398,  
0.3131

 28.6972, 0.2053,  
0.3021


 129.7287, 0.2453,  
0.3146

 18.8519, 0.1912,  
0.2968


 162.9867, 0.2500,  
0.3159

 11.5633, 0.1730,  
0.2893

 201.4923, 0.2541,  
0.3169

 6.4471, 0.1490,  
0.2780

245.6297, 0.2576,  
0.3178

 3.1188, 0.1164,  
0.2596

295.7834, 0.2608,

 1.1941, 0.0497,

0.3186

0.2323

352.3379, 0.2637,  
0.3193

■ 0.0568, 0.0000,  
0.0375

■ 0.0000, 0.0000,  
0.0000

■ 57.5956, 0.2258,  
0.3089

■ 57.5956, 0.2258,  
0.3089

■ 55.9603, 0.2211,  
0.3059

■ 59.5714, 0.2325,  
0.3119


■ 54.6135, 0.2181,  
0.3030

■ 61.9190, 0.2411,  
0.3149


■ 53.9035, 0.2170,  
0.3012


■ 64.6727, 0.2515,  
0.3178


■ 67.8615, 0.2635,  
0.3206

 71.5115, 0.2769,  
0.3233

 75.6466, 0.2913,  
0.3258

 80.2892, 0.3065,  
0.3281

 85.4602, 0.3221,  
0.3302

 87.9253, 0.3267,  
0.3322

# Harmonies

## Analogous

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



57.5956, 0.2537, 0.3606



57.5956, 0.2258, 0.3089



57.5956, 0.2196, 0.2692

# Triad

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



57.5956, 0.2258, 0.3089



57.5956, 0.3206, 0.2667



57.5956, 0.3926, 0.4102

# Complementary

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



57.5956, 0.2258, 0.3089



22.9780, 0.5559, 0.3420

# 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.



57.5956, 0.4150, 0.3775



57.5956, 0.2258, 0.3089



57.5956, 0.3721, 0.2979

# Square

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



57.5956, 0.2258, 0.3089



57.5956, 0.2708, 0.2492



57.5956, 0.4079, 0.3371



57.5956, 0.3494, 0.4230

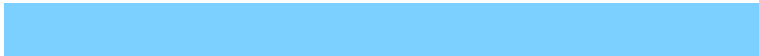


# Rectangle

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



57.5956, 0.2258, 0.3089



57.5956, 0.2276, 0.2536



57.5956, 0.4079, 0.3371



57.5956, 0.4029, 0.4008

# Sweetspot

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



57.5977, 0.2258, 0.3089



87.8052, 0.2795, 0.3238



60.3574, 0.2976, 0.5506



18.5165, 0.2757, 0.3231



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.



57.5977, 0.2258, 0.3089



67.0729, 0.2193, 0.3043



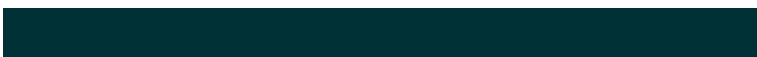
23.7011, 0.1936, 0.1824



16.8855, 0.2981, 0.3269



30.3777, 0.2171, 0.3017



2.4511, 0.2183, 0.3058



# Inverse Universe

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



25.9304, 0.3365, 0.1803



28.1101, 0.3414, 0.1692



43.6221, 0.4693, 0.4294



15.2899, 0.3151, 0.3078



12.5595, 0.3439, 0.1668



0.9929, 0.3404, 0.1649



# Previews

## White Background



This preview shows how the Yxy color 57.5956, 0.2258, 0.3089 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

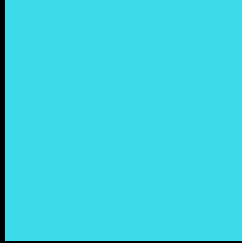
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.5956, 0.2258, 0.3089 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

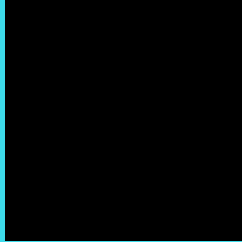
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.5956, 0.2258, 0.3089**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.5956, 0.2258, 0.3089.

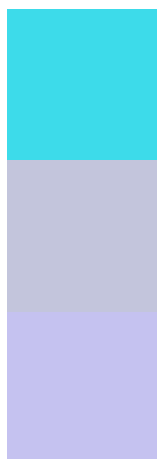


This preview shows how white text looks on a background with the Yxy color 57.5956, 0.2258, 0.3089.

# 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

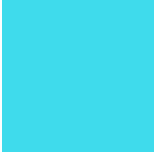
57.5956, 0.2258, 0.3089

### Protanopia

56.7019, 0.2949, 0.3019

### Deuteranopia

56.7452, 0.2830, 0.2766



## **Tritanopia**

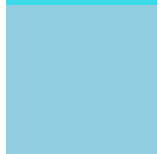
57.7759, 0.2255, 0.3064

# Trichromacy



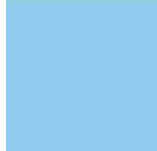
## Original Color

57.5956, 0.2258, 0.3089



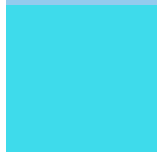
## Protanomaly

55.2099, 0.2599, 0.3035



## Deuteranomaly

55.0880, 0.2531, 0.2856



## Tritanomaly

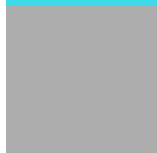
57.6853, 0.2257, 0.3077

# Monochromacy



## Original Color

57.5956, 0.2258, 0.3089



## Achromatopsia

41.7885, 0.3127, 0.3290



## Achromatomaly

45.6726, 0.2662, 0.3219

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.5956, 0.2258, 0.3089 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(61, 219, 234)` looks like.

```
.text, #text, p{  
    color:rgb(61, 219, 234)  
}
```

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(61, 219, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 219, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 57.5956, 0.2258, 0.3089 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(61, 219, 234) }
```

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

```
.border{ border-color:rgb(61, 219, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 219, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 219, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 219, 234);  
box-shadow:4px 4px 4px 4px rgb(61, 219,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.5956, 0.2258, 0.3089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 219, 234) }
```

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

```
.background{ background-color: rgb(61, 219,  
234) }
```

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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