

# Converting Colors

$Yxy(58.9981, 0.2550, 0.3244)$

Have a look what the booklet for  
Yxy(58.9981, 0.2550, 0.3244)  
contains.

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# Color

**Yxy(58.8682, 0.2550, 0.3237)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80D8DC
RGB	128, 216, 220
RGB Percent	50%, 85%, 86%
CMY	0.4980, 0.1529, 0.1373
CMYK	0.42, 0.02, 0.00, 0.14
HSL	183°, 57%, 68%
HSV	183°, 42%, 86%
XYZ	46.3744, 58.8682, 76.6178
YIQ	190.1440, -53.7320, -17.4120

# Conversions

## Conversions Part 2

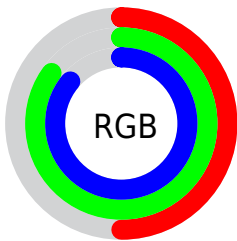
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 173, 220
Decimal	8444124
CIELab	81.22, -25.42, -10.27
CIELCh	81, 27.419, 202.001
Yxy	58.8682, 0.2550, 0.3237
Android (android.graphics.Color)	4286634204 (0xFF80D8DC)
YUV	190.1440, 14.7190, -54.5003
Hunter-Lab	76.7256, -26.3811, -5.4987

# Details

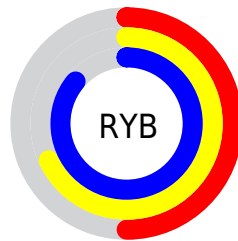
The Yxy color **58.8682, 0.2550, 0.3237** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.2699, 0.4183, 0.3341**, and the grayscale version is **51.5175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **29.5459, 0.2411, 0.3218** is the 20% darker color. If you saturate the color by 10%, you get **56.8591, 0.2447, 0.3223**, and if you desaturate by 10%, it is **61.2545, 0.2669, 0.3251**.

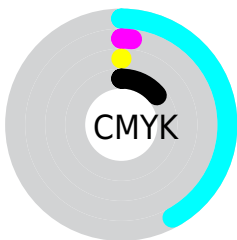
# Distribution



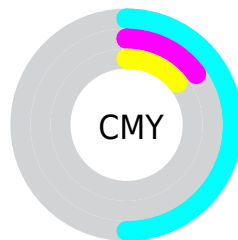
- Red (50%)
- Green (85%)
- Blue (86%)



- Red (50%)
- Yellow (68%)
- Blue (86%)



- Cyan (42%)
- Magenta (2%)
- Yellow (0%)
- Black (14%)




- Cyan (50%)
- Magenta (15%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.8682, 0.2550, 0.3237 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 58.8682, 0.2550, 0.3237 by changing the saturation by 10% instead.





 58.8682, 0.2550,  
0.3237


 58.8682, 0.2550,  
0.3237


420.4133, 0.2822,  
0.3268

 42.5070, 0.2487,  
0.3228


 103.1861, 0.2645,  
0.3249

 29.4985, 0.2408,  
0.3216


 131.9116, 0.2682,  
0.3254

 19.4583, 0.2308,  
0.3199


 165.5273, 0.2714,  
0.3257

 12.0019, 0.2176,  
0.3173

204.4177, 0.2741,  
0.3260

 6.7450, 0.1995,  
0.3133

248.9671, 0.2765,  
0.3263

 3.3031, 0.1734,  
0.3062

299.5599, 0.2786,

 1.2920, 0.1273,

0.3265

356.5805, 0.2805,  
0.3267

0.2937

0.1350, 0.0000,  
0.1350

0.0000, 0.0000,  
0.0000

58.8682, 0.2550,  
0.3237

58.8682, 0.2550,  
0.3237

56.8591, 0.2447,  
0.3223

61.2545, 0.2669,  
0.3251

55.1962, 0.2362,  
0.3208

64.0330, 0.2803,  
0.3264

53.8548, 0.2297,  
0.3193

67.2264, 0.2947,  
0.3277

52.8037, 0.2251,  
0.3179

70.8534, 0.3099,  
0.3288

■ 52.0060, 0.2222,  
0.3165

■ 74.9319, 0.3256,  
0.3299

■ 51.4904, 0.2209,  
0.3153

■ 78.5189, 0.3379,  
0.3308

■ 79.0252, 0.3378,  
0.3318

■ 79.5343, 0.3376,  
0.3327

■ 80.0463, 0.3375,  
0.3337

# Harmonies

## Analogous

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



58.8682, 0.2783, 0.3580



58.8682, 0.2550, 0.3237



58.8682, 0.2466, 0.2935

# Triad

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



58.8682, 0.2550, 0.3237



58.8682, 0.3107, 0.2811



58.8682, 0.3731, 0.3821

# Complementary

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



58.8682, 0.2550, 0.3237



33.2699, 0.4183, 0.3341

# 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.



58.8682, 0.3836, 0.3585



58.8682, 0.2550, 0.3237



58.8682, 0.3464, 0.3019

# Square

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



58.8682, 0.2550, 0.3237



58.8682, 0.2773, 0.2714



58.8682, 0.3737, 0.3295



58.8682, 0.3464, 0.3926



# Rectangle

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



58.8682, 0.2550, 0.3237



58.8682, 0.2501, 0.2798



58.8682, 0.3737, 0.3295



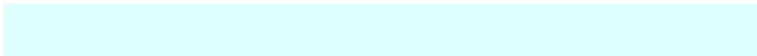
58.8682, 0.3787, 0.3752

# Sweetspot

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



58.8705, 0.2550, 0.3237



93.3341, 0.2928, 0.3275



57.4089, 0.3050, 0.4537



19.7574, 0.2895, 0.3272



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.



58.8705, 0.2550, 0.3237



79.8207, 0.2460, 0.3225



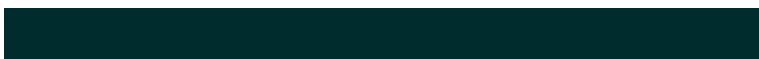
38.8546, 0.2449, 0.2616



14.7279, 0.2982, 0.3279



30.2675, 0.2210, 0.3155



1.9914, 0.2216, 0.3178



# Inverse Universe

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



35.6106, 0.3213, 0.2305



43.4379, 0.3232, 0.2125



48.2401, 0.3946, 0.3874



13.2646, 0.3144, 0.3069



11.6793, 0.3320, 0.1603

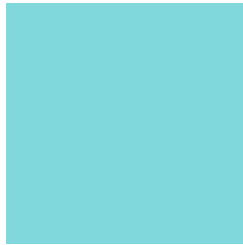


0.7597, 0.3300, 0.1592



# Previews

## White Background



This preview shows how the Yxy color 58.8682, 0.2550, 0.3237 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

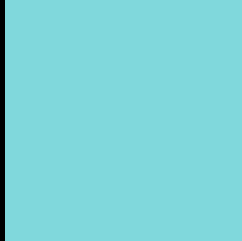
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.8682, 0.2550, 0.3237 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

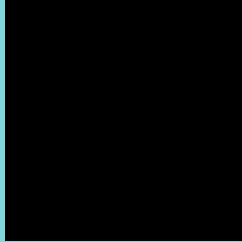
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.8682, 0.2550, 0.3237**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.8682, 0.2550, 0.3237.

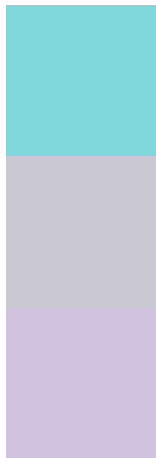


This preview shows how white text looks on a background with the Yxy color 58.8682, 0.2550, 0.3237.

# 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

58.8682, 0.2550, 0.3237

### Protanopia

58.5183, 0.3071, 0.3173

### Deuteranopia

57.9673, 0.3026, 0.2960



## Tritanopia

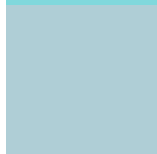
58.6880, 0.2505, 0.3074

# Trichromacy



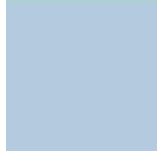
## Original Color

58.8682, 0.2550, 0.3237



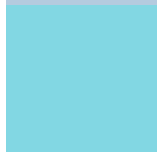
## Protanomaly

58.1116, 0.2849, 0.3191



## Deuteranomaly

57.7429, 0.2825, 0.3049



## Tritanomaly

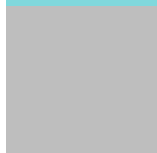
58.8928, 0.2522, 0.3136

# Monochromacy



## Original Color

58.8682, 0.2550, 0.3237



## Achromatopsia

51.4918, 0.3127, 0.3290



## Achromatomaly

53.2794, 0.2873, 0.3264

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  58.8682, 0.2550, 0.3237 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(128, 216, 220)` looks like.

```
.text, #text, p{  
    color:rgb(128, 216, 220)  
}
```

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(128, 216, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 216, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 58.8682, 0.2550, 0.3237 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(128, 216, 220) }
```

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

```
.border{ border-color:rgb(128, 216, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 216, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 216, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 216, 220);  
box-shadow:4px 4px 4px 4px rgb(128, 216,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.8682, 0.2550, 0.3237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 216, 220) }
```

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

```
.background{ background-color: rgb(128,  
216, 220) }
```

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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