

# Converting Colors

$Yxy(59.2562, 0.2580, 0.3367)$

Have a look what the booklet for  
Yxy(59.2562, 0.2580, 0.3367)  
contains.

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# Color

**Yxy(59.2562, 0.2580, 0.3367)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DDAD4
RGB	125, 218, 212
RGB Percent	49%, 85%, 83%
CMY	0.5100, 0.1450, 0.1686
CMYK	0.43, 0.00, 0.03, 0.15
HSL	176°, 56%, 67%
HSV	176°, 43%, 85%
XYZ	45.4057, 59.2562, 71.3292
YIQ	189.5090, -53.5020, -21.5820

# Conversions

## Conversions Part 2

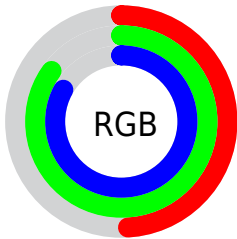
<b>Format</b>	<b>Color</b>
<b>RYB</b>	125, 173, 218
Decimal	8248020
CIELab	81.43, -29.10, -5.71
CIELCh	81, 29.656, 191.107
Yxy	59.2562, 0.2580, 0.3367
Android (android.graphics.Color)	4286438100 (0xFF7DDAD4)
YUV	189.5090, 11.0881, -56.5744
Hunter-Lab	76.9780, -29.4229, -1.0545

# Details

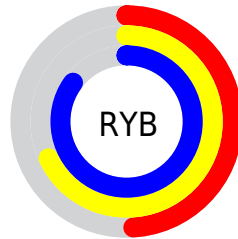
The Yxy color **59.2562, 0.2580, 0.3367** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.1983, 0.4163, 0.3220**, and the grayscale version is **51.1476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **29.8220, 0.2447, 0.3395** is the 20% darker color. If you saturate the color by 10%, you get **57.7240, 0.2488, 0.3388**, and if you desaturate by 10%, it is **61.1537, 0.2689, 0.3347**.

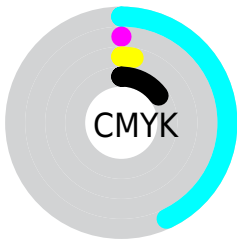
# Distribution



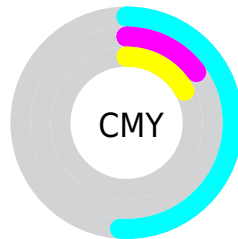
- Red (49%)
- Green (85%)
- Blue (83%)



- Red (49%)
- Yellow (68%)
- Blue (85%)



- Cyan (43%)
- Magenta (0%)
- Yellow (3%)
- Black (15%)




- Cyan (51%)
- Magenta (15%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.2562, 0.2580, 0.3367 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 59.2562, 0.2580, 0.3367 by changing the saturation by 10% instead.





 59.2562, 0.2580,  
0.3367

 59.2562, 0.2580,  
0.3367


421.8507, 0.2839,  
0.3334


 42.8194, 0.2520,  
0.3374


 103.7499, 0.2671,  
0.3356

 29.7434, 0.2444,  
0.3381


 132.5756, 0.2706,  
0.3352

 19.6439, 0.2348,  
0.3390


 166.2998, 0.2736,  
0.3348

 12.1365, 0.2220,  
0.3400

205.3068, 0.2762,  
0.3345

 6.8367, 0.2044,  
0.3410

249.9809, 0.2785,  
0.3342

 3.3602, 0.1788,  
0.3416

300.7067, 0.2805,

 1.3225, 0.1282,

0.3339

357.8685, 0.2823,  
0.3337

0.3442

0.1586, 0.0000,  
0.2170

0.0000, 0.0000,  
0.0000

59.2562, 0.2580,  
0.3367

59.2562, 0.2580,  
0.3367

57.7240, 0.2488,  
0.3388

61.1537, 0.2689,  
0.3347

56.5262, 0.2414,  
0.3409


63.4312, 0.2811,  
0.3328

55.6386, 0.2360,  
0.3431


66.1110, 0.2945,  
0.3310

55.0303, 0.2325,  
0.3453

69.2115, 0.3088,  
0.3294


 54.6645, 0.2307,  
0.3474


 72.7503, 0.3236,  
0.3279

 54.5053, 0.2303,  
0.3490

 76.6006, 0.3381,  
0.3266

 76.6758, 0.3371,  
0.3252

 76.7516, 0.3361,  
0.3238

 76.8281, 0.3351,  
0.3224

# Harmonies

## Analogous

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



59.2562, 0.2877, 0.3724



59.2562, 0.2580, 0.3367



59.2562, 0.2429, 0.3012

# Triad

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



59.2562, 0.2580, 0.3367



59.2562, 0.2965, 0.2723



59.2562, 0.3844, 0.3779

# Complementary

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



59.2562, 0.2580, 0.3367



31.1983, 0.4163, 0.3220

# 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.



59.2562, 0.3879, 0.3494



59.2562, 0.2580, 0.3367



59.2562, 0.3354, 0.2907

# Square

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



59.2562, 0.2580, 0.3367



59.2562, 0.2641, 0.2668



59.2562, 0.3697, 0.3181



59.2562, 0.3609, 0.3956



# Rectangle

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



59.2562, 0.2580, 0.3367



59.2562, 0.2425, 0.2831



59.2562, 0.3697, 0.3181



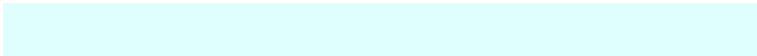
59.2562, 0.3880, 0.3691

# Sweetspot

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



59.2585, 0.2580, 0.3367



94.1087, 0.2939, 0.3311



56.4659, 0.3105, 0.4595



19.9513, 0.2909, 0.3315



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.



59.2585, 0.2580, 0.3367



82.5666, 0.2498, 0.3385



41.1333, 0.2457, 0.2734



14.8143, 0.2991, 0.3305



32.6563, 0.2302, 0.3487



2.1201, 0.2292, 0.3452



# Inverse Universe

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



31.1983, 0.4163, 0.3220



37.6179, 0.4506, 0.3209



43.3959, 0.4016, 0.3779



13.0651, 0.3281, 0.3275



8.9546, 0.6327, 0.3259

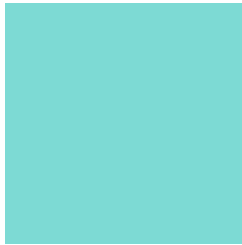


0.5850, 0.6116, 0.3143



# Previews

## White Background



This preview shows how the Yxy color 59.2562, 0.2580, 0.3367 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

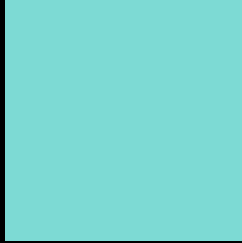
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.2562, 0.2580, 0.3367 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 59.2562, 0.2580, 0.3367**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.2562, 0.2580, 0.3367.

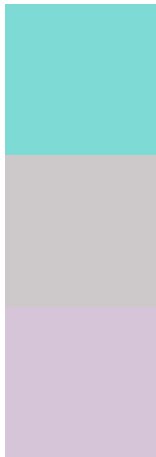


This preview shows how white text looks on a background with the Yxy color 59.2562, 0.2580, 0.3367.

# 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

59.2562, 0.2580, 0.3367

### Protanopia

58.5520, 0.3152, 0.3267

### Deuteranopia

58.7858, 0.3115, 0.3052



## Tritanopia

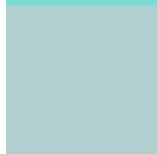
59.2524, 0.2502, 0.3075

# Trichromacy



## Original Color

59.2562, 0.2580, 0.3367



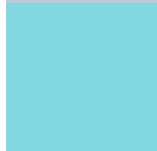
## Protanomaly

58.3120, 0.2908, 0.3302



## Deuteranomaly

58.0371, 0.2891, 0.3156



## Tritanomaly

59.2151, 0.2530, 0.3174

# Monochromacy



## Original Color

59.2562, 0.2580, 0.3367



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

53.4468, 0.2893, 0.3328

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.2562, 0.2580, 0.3367 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(125, 218, 212)` looks like.

```
.text, #text, p{  
    color:rgb(125, 218, 212)  
}
```

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(125, 218, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 218, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 59.2562, 0.2580, 0.3367 is called "border". The border property can be set on classes, ids or directly on the HTML element.

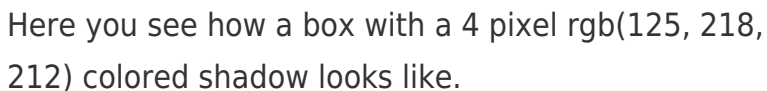
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(125, 218, 212) }
```

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

```
.border{ border-color:rgb(125, 218, 212) }
```

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



Here you see how a box with a 4 pixel rgb(125, 218, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 218, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 218, 212);  
box-shadow:4px 4px 4px 4px rgb(125, 218,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.2562, 0.2580, 0.3367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 218, 212) }
```

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

```
.background{ background-color: rgb(125,  
218, 212) }
```

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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