

# Converting Colors

$Yxy(59.3257, 0.2586, 0.3291)$

Have a look what the booklet for  
Yxy(59.3257, 0.2586, 0.3291)  
contains.

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# Color

**Yxy(59.4608, 0.2583, 0.3288)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83D9D9
RGB	131, 217, 217
RGB Percent	51%, 85%, 85%
CMY	0.4858, 0.1491, 0.1490
CMYK	0.40, 0.00, 0.00, 0.15
HSL	180°, 53%, 68%
HSV	180°, 40%, 85%
XYZ	46.7114, 59.4608, 74.6696
YIQ	191.2860, -51.2560, -18.2320

# Conversions

## Conversions Part 2

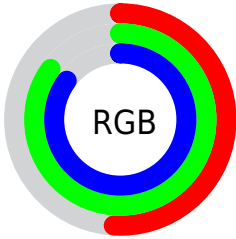
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 174, 217
Decimal	8640985
CIELab	81.54, -25.87, -8.19
CIElCh	82, 27.138, 197.566
Yxy	59.4608, 0.2583, 0.3288
Android (android.graphics.Color)	4286831065 (0xFF83D9D9)
YUV	191.2860, 12.6770, -52.8708
Hunter-Lab	77.1108, -26.8140, -3.4354

# Details

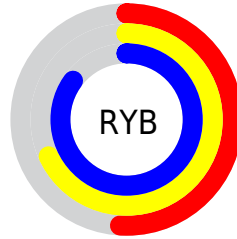
The Yxy color **59.4608, 0.2583, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.6670, 0.4119, 0.3293**, and the grayscale version is **52.2383, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **29.9051, 0.2448, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **57.9024, 0.2481, 0.3288**, and if you desaturate by 10%, it is **61.3869, 0.2702, 0.3288**.

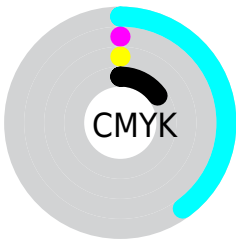
# Distribution



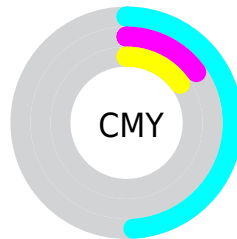
- Red (51%)
- Green (85%)
- Blue (85%)



- Red (51%)
- Yellow (68%)
- Blue (85%)



- Cyan (40%)
- Magenta (0%)
- Yellow (0%)
- Black (15%)




- Cyan (49%)
- Magenta (15%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.4608, 0.2583, 0.3288 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 59.4608, 0.2583, 0.3288 by changing the saturation by 10% instead.



 59.4608, 0.2583,  
0.3288

 59.4608, 0.2583,  
0.3288

422.6074, 0.2840,  
0.3294

 42.9842, 0.2523,  
0.3285


 104.0471, 0.2673,  
0.3291

 29.8727, 0.2449,  
0.3281


 132.9255, 0.2708,  
0.3292

 19.7420, 0.2354,  
0.3274


 166.7067, 0.2738,  
0.3293

 12.2076, 0.2229,  
0.3263

205.7750, 0.2763,  
0.3293

 6.8852, 0.2057,  
0.3244

250.5149, 0.2786,  
0.3294

 3.3904, 0.1806,  
0.3205

301.3106, 0.2806,

 1.3388, 0.1365,

0.3294

0.3134

358.5467, 0.2824,  
0.3294

0.1710, 0.0000,  
0.1839

0.0000, 0.0000,  
0.0000

59.4608, 0.2583,  
0.3288

59.4608, 0.2583,  
0.3288

57.9024, 0.2481,  
0.3288

61.3869, 0.2702,  
0.3288

56.6818, 0.2397,  
0.3287

63.6945, 0.2835,  
0.3289

55.7759, 0.2332,  
0.3287


66.4052, 0.2980,  
0.3289


55.1559, 0.2287,  
0.3287


69.5370, 0.3134,  
0.3290


 54.7873, 0.2260,  
0.3287


 73.1068, 0.3293,  
0.3291

 54.6118, 0.2247,  
0.3286

 75.9114, 0.3407,  
0.3291

 54.6058, 0.2246,  
0.3286

 75.9152, 0.3407,  
0.3291

 75.9190, 0.3407,  
0.3291

 75.9228, 0.3407,  
0.3291

# Harmonies

## Analogous

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



59.4608, 0.2832, 0.3622



59.4608, 0.2583, 0.3288



59.4608, 0.2477, 0.2978

# Triad

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



59.4608, 0.2583, 0.3288



59.4608, 0.3055, 0.2795



59.4608, 0.3750, 0.3786

# Complementary

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



59.4608, 0.2583, 0.3288



32.6670, 0.4119, 0.3293

# 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.



59.4608, 0.3824, 0.3541



59.4608, 0.2583, 0.3288



59.4608, 0.3410, 0.2987

# Square

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



59.4608, 0.2583, 0.3288



59.4608, 0.2737, 0.2718



59.4608, 0.3698, 0.3253



59.4608, 0.3506, 0.3913



# Rectangle

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



59.4608, 0.2583, 0.3288



59.4608, 0.2495, 0.2829



59.4608, 0.3698, 0.3253



59.4608, 0.3797, 0.3713

# Sweetspot

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



59.4631, 0.2583, 0.3288



94.6447, 0.2943, 0.3289



56.1094, 0.3070, 0.4498



20.1446, 0.2923, 0.3289



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.



59.4631, 0.2583, 0.3288



83.8775, 0.2501, 0.3288



40.1420, 0.2493, 0.2701



14.8288, 0.2982, 0.3290



33.0508, 0.2246, 0.3286



2.1414, 0.2246, 0.3287



# Inverse Universe

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



36.0264, 0.3173, 0.2320



45.8472, 0.3181, 0.2146



46.6928, 0.3906, 0.3810



13.2748, 0.3138, 0.3060



11.9603, 0.3210, 0.1542

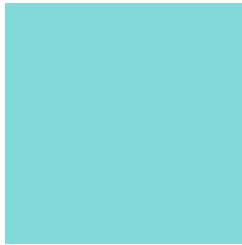


0.7749, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 59.4608, 0.2583, 0.3288 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

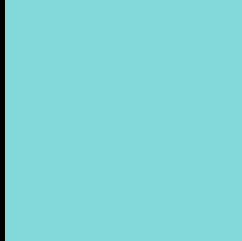
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.4608, 0.2583, 0.3288 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

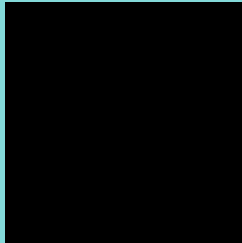
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.4608, 0.2583, 0.3288**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.4608, 0.2583, 0.3288.

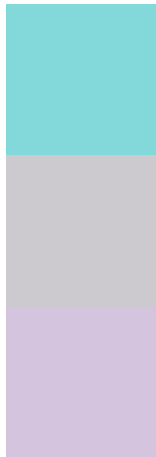


This preview shows how white text looks on a background with the Yxy color 59.4608, 0.2583, 0.3288.

# 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

59.4608, 0.2583, 0.3288

### Protanopia

59.1157, 0.3107, 0.3220

### Deuteranopia

58.6974, 0.3071, 0.3007



## Tritanopia

59.5780, 0.2522, 0.3076

# Trichromacy



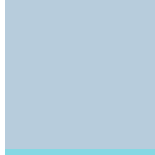
## Original Color

59.4608, 0.2583, 0.3288



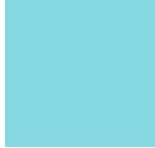
## Protanomaly

58.6759, 0.2883, 0.3240



## Deuteranomaly

58.4203, 0.2865, 0.3098



## Tritanomaly

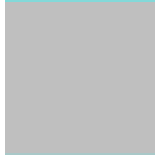
59.7261, 0.2544, 0.3150

# Monochromacy



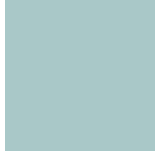
## Original Color

59.4608, 0.2583, 0.3288



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

53.9137, 0.2894, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.4608, 0.2583, 0.3288 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(131, 217, 217)` looks like.

```
.text, #text, p{  
    color:rgb(131, 217, 217)  
}
```

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(131, 217, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 217, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 59.4608, 0.2583, 0.3288 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(131, 217, 217) }
```

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

```
.border{ border-color:rgb(131, 217, 217) }
```

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

Here you see how a box with a 4 pixel rgb(131, 217, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 217, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 217, 217);  
box-shadow:4px 4px 4px 4px rgb(131, 217,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.4608, 0.2583, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 217, 217) }
```

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

```
.background{ background-color: rgb(131,  
217, 217) }
```

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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