

# Converting Colors

$Yxy(53.5754, 0.2587, 0.3189)$

Have a look what the booklet for  
Yxy(53.5754, 0.2587, 0.3189)  
contains.

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# Color

**Yxy(53.3723, 0.2585, 0.3183)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84CDD5
RGB	132, 205, 213
RGB Percent	52%, 80%, 84%
CMY	0.4827, 0.1960, 0.1647
CMYK	0.38, 0.04, 0.00, 0.16
HSL	186°, 49%, 68%
HSV	186°, 38%, 84%
XYZ	43.3451, 53.3723, 70.9619
YIQ	184.0850, -46.0760, -12.9880

# Conversions

## Conversions Part 2

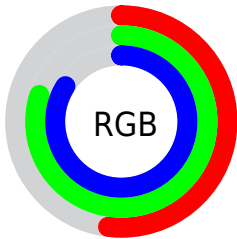
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 170, 213
Decimal	8703445
CIELab	78.09, -20.72, -11.17
CIElCh	78, 23.537, 208.330
Yxy	53.3723, 0.2585, 0.3183
Android (android.graphics.Color)	4286893525 (0xFF84CDD5)
YUV	184.0850, 14.2551, -45.6785
Hunter-Lab	73.0563, -21.9427, -6.4507

# Details

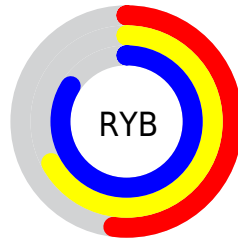
The Yxy color **53.3723, 0.2585, 0.3183** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.5287, 0.4024, 0.3392**, and the grayscale version is **47.9108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **26.1796, 0.2451, 0.3161** is the 20% darker color. If you saturate the color by 10%, you get **50.8353, 0.2470, 0.3151**, and if you desaturate by 10%, it is **56.2773, 0.2714, 0.3214**.

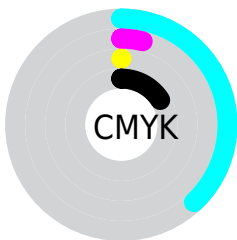
# Distribution



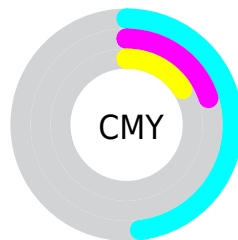
- Red (52%)
- Green (80%)
- Blue (84%)



- Red (52%)
- Yellow (67%)
- Blue (84%)



- Cyan (38%)
- Magenta (4%)
- Yellow (0%)
- Black (16%)



- Cyan (48%)
- Magenta (20%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3723, 0.2585, 0.3183 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 53.3723, 0.2585, 0.3183 by changing the saturation by 10% instead.





 53.3723, 0.2585,  
0.3183


 53.3723, 0.2585,  
0.3183


399.7119, 0.2845,  
0.3241

 38.1001, 0.2523,  
0.3168


 95.1520, 0.2677,  
0.3205

 26.0604, 0.2446,  
0.3147


 122.4282, 0.2712,  
0.3213

 16.8688, 0.2347,  
0.3119


 154.4746, 0.2742,  
0.3219

 10.1410, 0.2214,  
0.3079

191.6754, 0.2769,  
0.3225

 5.4925, 0.2028,  
0.3017

234.4152, 0.2791,  
0.3230

 2.5390, 0.1753,  
0.2909

283.0782, 0.2811,

 0.8961, 0.1069,

0.3234

0.2770

338.0490, 0.2829,  
0.3237

0.0000, 0.0000,  
0.0000

53.3723, 0.2585,  
0.3183

53.3723, 0.2585,  
0.3183

50.8353, 0.2470,  
0.3151

56.2773, 0.2714,  
0.3214

48.6385, 0.2372,  
0.3117

59.5638, 0.2854,  
0.3243

46.7601, 0.2292,  
0.3083

63.2521, 0.3003,  
0.3270

45.1731, 0.2231,  
0.3049

67.3593, 0.3157,  
0.3295

43.8455, 0.2189,  
0.3015

71.9013, 0.3314,  
0.3317

■ 42.7311, 0.2164,  
0.2982

■ 75.9908, 0.3435,  
0.3337

■ 42.5268, 0.2160,  
0.2975

■ 77.0809, 0.3432,  
0.3358

■ 78.1847, 0.3428,  
0.3379

■ 79.3024, 0.3425,  
0.3400

# Harmonies

## Analogous

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



53.3723, 0.2769, 0.3485



53.3723, 0.2585, 0.3183



53.3723, 0.2540, 0.2932

# Triad

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



53.3723, 0.2585, 0.3183



53.3723, 0.3179, 0.2894



53.3723, 0.3624, 0.3794

# Complementary

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



53.3723, 0.2585, 0.3183



34.5287, 0.4024, 0.3392

# 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.



53.3723, 0.3750, 0.3606



53.3723, 0.2585, 0.3183



53.3723, 0.3487, 0.3098

# Square

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



53.3723, 0.2585, 0.3183



53.3723, 0.2870, 0.2783



53.3723, 0.3700, 0.3353



53.3723, 0.3366, 0.3851



# Rectangle

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



53.3723, 0.2585, 0.3183



53.3723, 0.2592, 0.2825



53.3723, 0.3700, 0.3353



53.3723, 0.3684, 0.3743

# Sweetspot

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



53.3744, 0.2585, 0.3183



93.3161, 0.2957, 0.3262



54.3367, 0.3033, 0.4345



19.8087, 0.2937, 0.3258



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.



53.3744, 0.2585, 0.3183



76.9801, 0.2487, 0.3156



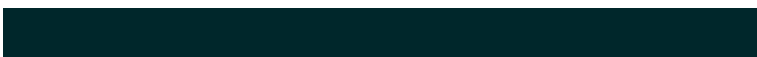
36.8623, 0.2504, 0.2630



13.8894, 0.2983, 0.3266



26.0639, 0.2161, 0.2980



1.6339, 0.2177, 0.3038



# Inverse Universe

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



35.0309, 0.3247, 0.2436



45.8504, 0.3279, 0.2260



48.1313, 0.3837, 0.3867



12.6107, 0.3153, 0.3082



10.9760, 0.3472, 0.1686

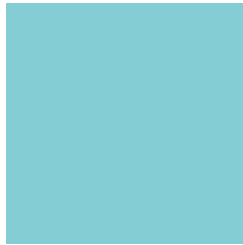


0.6683, 0.3421, 0.1658



# Previews

## White Background



This preview shows how the Yxy color 53.3723, 0.2585, 0.3183 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

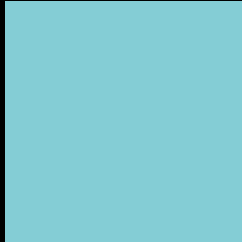
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.3723, 0.2585, 0.3183 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

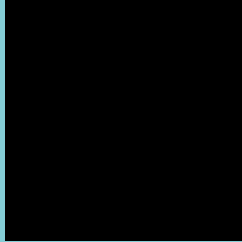
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.3723, 0.2585, 0.3183**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.3723, 0.2585, 0.3183.

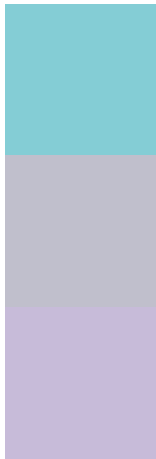


This preview shows how white text looks on a background with the Yxy color 53.3723, 0.2585, 0.3183.

# 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

53.3723, 0.2585, 0.3183

### Protanopia

52.8277, 0.3039, 0.3131

### Deuteranopia

52.6925, 0.3000, 0.2935



## Tritanopia

53.4214, 0.2557, 0.3080

# Trichromacy



## Original Color

53.3723, 0.2585, 0.3183

## Protanomaly

52.5309, 0.2853, 0.3150

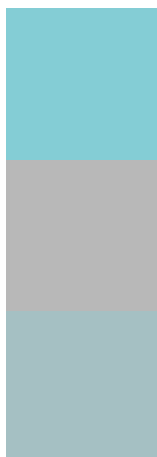
## Deuteranomaly

52.6554, 0.2828, 0.3017

## Tritanomaly

53.1820, 0.2567, 0.3118

# Monochromacy



## Original Color

53.3723, 0.2585, 0.3183

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

49.6387, 0.2895, 0.3250

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.3723, 0.2585, 0.3183 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(132, 205, 213)` looks like.

```
.text, #text, p{  
    color:rgb(132, 205, 213)  
}
```

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(132, 205, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 205, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 53.3723, 0.2585, 0.3183 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(132, 205, 213) }
```

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

```
.border{ border-color:rgb(132, 205, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 205, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 205, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 205, 213);  
box-shadow:4px 4px 4px 4px rgb(132, 205,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.3723, 0.2585, 0.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 205, 213) }
```

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

```
.background{ background-color: rgb(132,  
205, 213) }
```

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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