

# Converting Colors

$Y_{xy}(54.2185, 0.2669, 0.3193)$

Have a look what the booklet for  
Yxy(54.2185, 0.2669, 0.3193)  
contains.

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# Color

**Yxy(53.9589, 0.2665, 0.3185)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91CCD4
RGB	145, 204, 212
RGB Percent	57%, 80%, 83%
CMY	0.4314, 0.2000, 0.1687
CMYK	0.32, 0.04, 0.00, 0.17
HSL	187°, 44%, 70%
HSV	187°, 32%, 83%
XYZ	45.1493, 53.9589, 70.3075
YIQ	187.2710, -37.7320, -10.0200

# Conversions

## Conversions Part 2

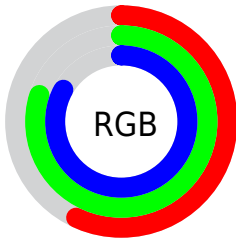
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">145, 176, 212</a>
Decimal	<a href="#">9555156</a>
CIELab	<a href="#">78.44, -16.93, -10.04</a>
CIELCh	<a href="#">78, 19.685, 210.674</a>
Yxy	<a href="#">53.9589, 0.2665, 0.3185</a>
Android (android.graphics.Color)	<a href="#">4287745236 (0xFF91CCD4)</a>
YUV	<a href="#">187.2710, 12.1914, -37.0717</a>
Hunter-Lab	<a href="#">73.4567, -18.8364, -5.3284</a>

# Details

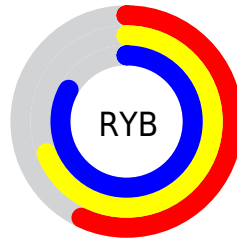
The Yxy color **53.9589, 0.2665, 0.3185** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.8063, 0.3814, 0.3392**, and the grayscale version is **49.7998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1575, 0.2811, 0.3289**, and **26.4712, 0.2547, 0.3164** is the 20% darker color. If you saturate the color by 10%, you get **51.0227, 0.2539, 0.3147**, and if you desaturate by 10%, it is **57.2781, 0.2803, 0.3221**.

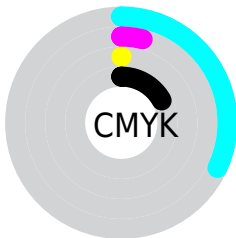
# Distribution



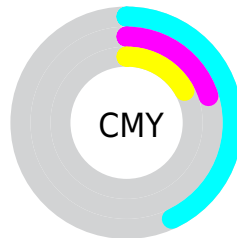
- Red (57%)
- Green (80%)
- Blue (83%)



- Red (57%)
- Yellow (69%)
- Blue (83%)



- Cyan (32%)
- Magenta (4%)
- Yellow (0%)
- Black (17%)




- Cyan (43%)
- Magenta (20%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.9589, 0.2665, 0.3185 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 53.9589, 0.2665, 0.3185 by changing the saturation by 10% instead.





 53.9589, 0.2665,  
0.3185

 53.9589, 0.2665,  
0.3185


401.9533, 0.2887,  
0.3240

 38.5688, 0.2612,  
0.3171


 96.0139, 0.2744,  
0.3206

 26.4244, 0.2546,  
0.3152


 123.4476, 0.2774,  
0.3213

 17.1414, 0.2461,  
0.3126


155.6646, 0.2800,  
0.3219

 10.3354, 0.2346,  
0.3090

193.0493, 0.2822,  
0.3225

 5.6219, 0.2185,  
0.3034

235.9862, 0.2841,  
0.3229

 2.6166, 0.1943,  
0.2940

284.8595, 0.2858,

 0.9350, 0.1420,

0.3233

0.2797

340.0537, 0.2873,  
0.3237

0.0000, 0.0000,  
0.0000

53.9589, 0.2665,  
0.3185

53.9589, 0.2665,  
0.3185

51.0227, 0.2539,  
0.3147

57.2781, 0.2803,  
0.3221

48.4429, 0.2427,  
0.3107

60.9923, 0.2950,  
0.3255

46.1996, 0.2333,  
0.3066

65.1211, 0.3102,  
0.3285

44.2681, 0.2257,  
0.3024

69.6806, 0.3258,  
0.3313

42.6202, 0.2200,  
0.2983

74.6862, 0.3414,  
0.3338

■ 41.2221, 0.2162,  
0.2941

■ 76.7481, 0.3440,  
0.3363

■ 40.1917, 0.2141,  
0.2907

■ 78.0750, 0.3435,  
0.3389

■ 79.4219, 0.3431,  
0.3414

■ 80.7890, 0.3427,  
0.3439

# Harmonies

## Analogous

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



53.9589, 0.2812, 0.3433



53.9589, 0.2665, 0.3185



53.9589, 0.2636, 0.2980

# Triad

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



53.9589, 0.2665, 0.3185



53.9589, 0.3193, 0.2968



53.9589, 0.3529, 0.3719

# Complementary

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



53.9589, 0.2665, 0.3185



38.8063, 0.3814, 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.



53.9589, 0.3643, 0.3573



53.9589, 0.2665, 0.3185



53.9589, 0.3445, 0.3145

# Square

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



53.9589, 0.2665, 0.3185



53.9589, 0.2932, 0.2867



53.9589, 0.3612, 0.3363



53.9589, 0.3309, 0.3752



# Rectangle

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



53.9589, 0.2665, 0.3185



53.9589, 0.2687, 0.2894



53.9589, 0.3612, 0.3363



53.9589, 0.3581, 0.3681

# Sweetspot

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



53.9611, 0.2665, 0.3185



94.1746, 0.2988, 0.3263



55.3882, 0.3035, 0.4105



19.9663, 0.2965, 0.3258



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

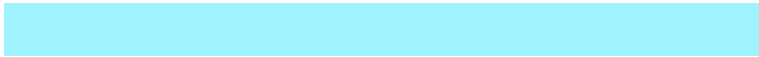


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.9611, 0.2665, 0.3185



78.8837, 0.2578, 0.3159



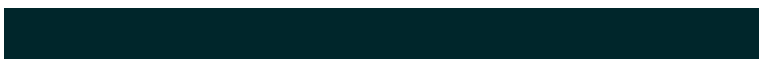
39.7715, 0.2611, 0.2728



13.8439, 0.2983, 0.3261



24.9154, 0.2143, 0.2913



1.5756, 0.2162, 0.2984



# Inverse Universe

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



38.6011, 0.3237, 0.2594



52.2475, 0.3265, 0.2447



51.2816, 0.3689, 0.3793



12.6061, 0.3156, 0.3087



10.8601, 0.3532, 0.1719

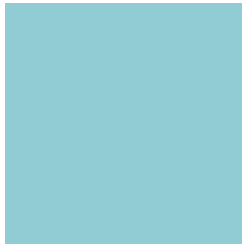


0.6624, 0.3469, 0.1684



# Previews

## White Background



This preview shows how the Yxy color 53.9589, 0.2665, 0.3185 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

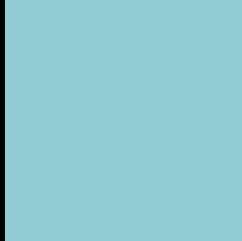
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.9589, 0.2665, 0.3185 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

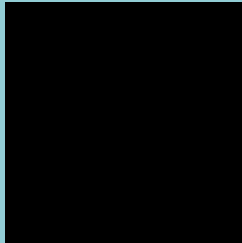
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

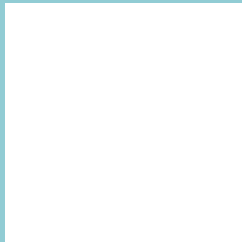
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.9589, 0.2665, 0.3185**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.9589, 0.2665, 0.3185.



This preview shows how white text looks on a background with the Yxy color 53.9589, 0.2665, 0.3185.

# 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

53.9589, 0.2665, 0.3185

### Protanopia

53.4445, 0.3039, 0.3132

### Deuteranopia

53.4293, 0.3038, 0.2972



## Tritanopia

54.0294, 0.2635, 0.3084

# Trichromacy



## Original Color

53.9589, 0.2665, 0.3185

## Protanomaly

53.2640, 0.2890, 0.3139

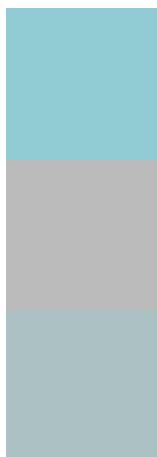
## Deuteranomaly

53.2624, 0.2885, 0.3044

## Tritanomaly

53.7807, 0.2646, 0.3121

# Monochromacy



## Original Color

53.9589, 0.2665, 0.3185

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

50.8961, 0.2941, 0.3251

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.9589, 0.2665, 0.3185 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(145, 204, 212)` looks like.

```
.text, #text, p{  
    color:rgb(145, 204, 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(145, 204, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 204, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 53.9589, 0.2665, 0.3185 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(145, 204, 212) }
```

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

```
.border{ border-color:rgb(145, 204, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 204, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 204, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 204, 212);  
box-shadow:4px 4px 4px 4px rgb(145, 204,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.9589, 0.2665, 0.3185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 204, 212) }
```

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

```
.background{ background-color: rgb(145,  
204, 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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