

# Converting Colors

$Yxy(51.5176, 0.2675, 0.3209)$

Have a look what the booklet for  
Yxy(51.5176, 0.2675, 0.3209)  
contains.

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# Color

**Yxy(51.5156, 0.2675, 0.3209)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EC8CE
RGB	142, 200, 206
RGB Percent	56%, 78%, 81%
CMY	0.4434, 0.2156, 0.1921
CMYK	0.31, 0.03, 0.00, 0.19
HSL	186°, 40%, 68%
HSV	186°, 31%, 81%
XYZ	42.9430, 51.5156, 66.0761
YIQ	183.3420, -36.4940, -10.4300

# Conversions

## Conversions Part 2

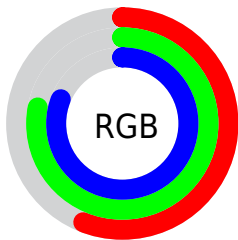
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	142, 172, 206
Decimal	9357518
CIE Lab	76.99, -17.15, -9.00
CIE LCh	77, 19.370, 207.681
Yxy	51.5156, 0.2675, 0.3209
Android (android.graphics.Color)	4287547598 (0xFF8EC8CE)
YUV	183.3420, 11.1704, -36.2569
Hunter-Lab	71.7744, -18.8075, -4.3408

# Details

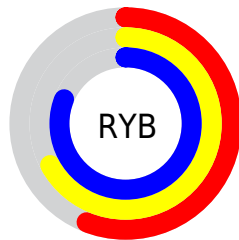
The Yxy color **51.5156, 0.2675, 0.3209** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.2333, 0.3804, 0.3369**, and the grayscale version is **47.4988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **24.9486, 0.2557, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **48.9746, 0.2551, 0.3179**, and if you desaturate by 10%, it is **54.4086, 0.2812, 0.3237**.

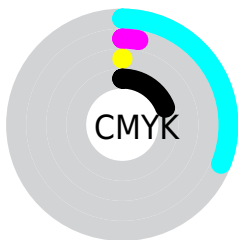
# Distribution



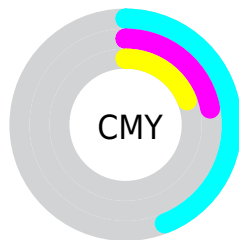
- Red (56%)
- Green (78%)
- Blue (81%)



- Red (56%)
- Yellow (67%)
- Blue (81%)



- Cyan (31%)
- Magenta (3%)
- Yellow (0%)
- Black (19%)



- Cyan (44%)
- Magenta (22%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5156, 0.2675, 0.3209 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 51.5156, 0.2675, 0.3209 by changing the saturation by 10% instead.



■ 51.5156, 0.2675,  
0.3209

■ 51.5156, 0.2675,  
0.3209

■ 392.5637, 0.2894,  
0.3253

■ 36.6191, 0.2622,  
0.3197

■ 92.4165, 0.2753,  
0.3225

■ 24.9127, 0.2556,  
0.3182

■ 119.1896, 0.2783,  
0.3231

■ 16.0120, 0.2470,  
0.3161

■ 150.6905, 0.2808,  
0.3236

■ 9.5327, 0.2354,  
0.3130

■ 187.3034, 0.2830,  
0.3241

■ 5.0902, 0.2188,  
0.3081

■ 229.4128, 0.2849,  
0.3244

■ 2.3003, 0.1936,  
0.2996

■ 277.4030, 0.2866,

■ 0.7739, 0.1193,

0.3247

0.2913

331.6585, 0.2881,  
0.3250

0.0000, 0.0000,  
0.0000

51.5156, 0.2675,  
0.3209

51.5156, 0.2675,  
0.3209

48.9746, 0.2551,  
0.3179

54.4086, 0.2812,  
0.3237

46.7610, 0.2441,  
0.3148

57.6647, 0.2958,  
0.3263

44.8561, 0.2349,  
0.3116

61.3019, 0.3110,  
0.3287

43.2374, 0.2275,  
0.3084

65.3354, 0.3266,  
0.3309

41.8788, 0.2221,  
0.3052

69.7792, 0.3423,  
0.3329

■ 40.7492, 0.2185,  
0.3020

■ 72.5916, 0.3497,  
0.3348

■ 39.8865, 0.2164,  
0.2992

■ 73.5582, 0.3493,  
0.3368

■ 74.5363, 0.3489,  
0.3387

■ 75.5260, 0.3486,  
0.3406

# Harmonies

## Analogous

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



51.5156, 0.2833, 0.3457



51.5156, 0.2675, 0.3209



51.5156, 0.2634, 0.2997

# Triad

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



51.5156, 0.2675, 0.3209



51.5156, 0.3166, 0.2954



51.5156, 0.3546, 0.3709

# Complementary

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



51.5156, 0.2675, 0.3209



36.2333, 0.3804, 0.3369

# 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.



51.5156, 0.3646, 0.3553



51.5156, 0.2675, 0.3209



51.5156, 0.3422, 0.3125

# Square

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



51.5156, 0.2675, 0.3209



51.5156, 0.2909, 0.2863



51.5156, 0.3601, 0.3341



51.5156, 0.3334, 0.3755



# Rectangle

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



51.5156, 0.2675, 0.3209



51.5156, 0.2676, 0.2904



51.5156, 0.3601, 0.3341



51.5156, 0.3594, 0.3667

# Sweetspot

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



51.5177, 0.2675, 0.3209



94.5422, 0.2988, 0.3268



52.0070, 0.3050, 0.4120



20.0576, 0.2966, 0.3265



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.



51.5177, 0.2675, 0.3209



80.7790, 0.2594, 0.3190



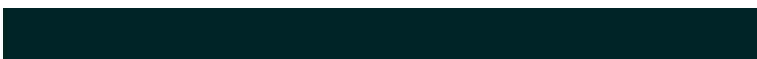
38.4429, 0.2624, 0.2771



12.5406, 0.2983, 0.3268



24.6357, 0.2166, 0.2997



1.3244, 0.2183, 0.3058



# Inverse Universe

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



36.6225, 0.3219, 0.2588



53.2922, 0.3241, 0.2447



47.4400, 0.3685, 0.3758



11.3850, 0.3152, 0.3083



10.2900, 0.3457, 0.1678

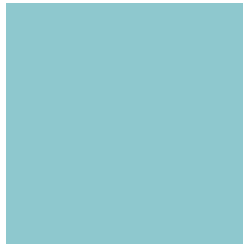


0.5362, 0.3403, 0.1648



# Previews

## White Background



This preview shows how the Yxy color 51.5156, 0.2675, 0.3209 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

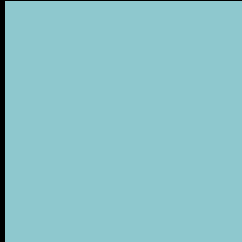
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.5156, 0.2675, 0.3209 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

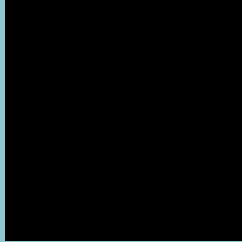
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

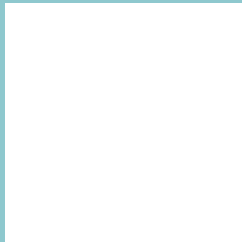
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.5156, 0.2675, 0.3209**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.5156, 0.2675, 0.3209.



This preview shows how white text looks on a background with the Yxy color 51.5156, 0.2675, 0.3209.

# 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

51.5156, 0.2675, 0.3209

### Protanopia

51.0371, 0.3060, 0.3154

### Deuteranopia

51.0265, 0.3059, 0.2990



## Tritanopia

51.6824, 0.2633, 0.3080

# Trichromacy



## Original Color

51.5156, 0.2675, 0.3209

## Protanomaly

50.8478, 0.2907, 0.3162

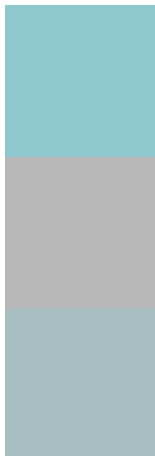
## Deuteranomaly

50.8460, 0.2902, 0.3064

## Tritanomaly

51.4400, 0.2645, 0.3118

# Monochromacy



## Original Color

51.5156, 0.2675, 0.3209

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

48.4816, 0.2945, 0.3263

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.5156, 0.2675, 0.3209 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(142, 200, 206)` looks like.

```
.text, #text, p{  
    color:rgb(142, 200, 206)  
}
```

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(142, 200, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 200, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 51.5156, 0.2675, 0.3209 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(142, 200, 206) }
```

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

```
.border{ border-color:rgb(142, 200, 206) }
```

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

Here you see how a box with a 4 pixel rgb(142, 200, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 200, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 200, 206);  
box-shadow:4px 4px 4px 4px rgb(142, 200,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.5156, 0.2675, 0.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 200, 206) }
```

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

```
.background{ background-color: rgb(142,  
200, 206) }
```

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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