

# Converting Colors

Yxy(54.9856, 0.2763, 0.3138)

Have a look what the booklet for  
Yxy(54.9856, 0.2763, 0.3138)  
contains.

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# Color

**Yxy(54.8826, 0.2765, 0.3138)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3CAD6
RGB	163, 202, 214
RGB Percent	64%, 79%, 84%
CMY	0.3608, 0.2078, 0.1608
CMYK	0.24, 0.06, 0.00, 0.16
HSL	194°, 38%, 74%
HSV	194°, 24%, 84%
XYZ	48.3590, 54.8826, 71.6552
YIQ	191.7070, -27.0960, -4.5360

# Conversions

## Conversions Part 2

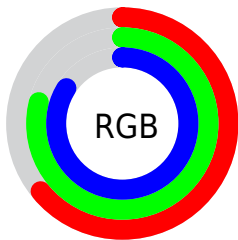
<b>Format</b>	<b>Color</b>
<b>RYB</b>	163, 185, 214
Decimal	10734294
CIELab	78.97, -10.21, -10.22
CIELCh	79, 14.441, 225.027
Yxy	54.8826, 0.2765, 0.3138
Android (android.graphics.Color)	4288924374 (0xFFA3CAD6)
YUV	191.7070, 10.9904, -25.1760
Hunter-Lab	74.0828, -13.1256, -5.4892

# Details

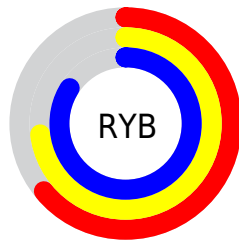
The Yxy color **54.8826, 0.2765, 0.3138** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.5864, 0.3587, 0.3437**, and the grayscale version is **52.4786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **26.9980, 0.2674, 0.3101** is the 20% darker color. If you saturate the color by 10%, you get **50.4931, 0.2621, 0.3065**, and if you desaturate by 10%, it is **59.7356, 0.2915, 0.3206**.

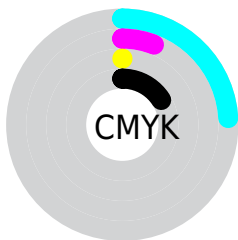
# Distribution



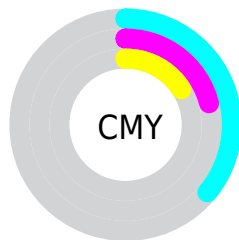
- Red (64%)
- Green (79%)
- Blue (84%)



- Red (64%)
- Yellow (73%)
- Blue (84%)



- Cyan (24%)
- Magenta (6%)
- Yellow (0%)
- Black (16%)



- Cyan (36%)
- Magenta (21%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.8826, 0.2765, 0.3138 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 54.8826, 0.2765, 0.3138 by changing the saturation by 10% instead.



■ 54.8826, 0.2765,  
0.3138

■ 54.8826, 0.2765,  
0.3138

405.4668, 0.2939,  
0.3214

■ 39.3077, 0.2724,  
0.3119

■ 97.3689, 0.2827,  
0.3166

■ 26.9992, 0.2672,  
0.3095

■ 125.0492, 0.2850,  
0.3176

■ 17.5726, 0.2604,  
0.3063

157.5333, 0.2870,  
0.3185

■ 10.6436, 0.2514,  
0.3018

195.2058, 0.2888,  
0.3192

■ 5.8277, 0.2386,  
0.2953

238.4510, 0.2903,  
0.3199

■ 2.7406, 0.2193,  
0.2848

287.6533, 0.2917,

■ 0.9979, 0.1853,

0.3205

0.2660

343.1971, 0.2928,  
0.3210

0.0000, 0.0000,  
0.0000

54.8826, 0.2765,  
0.3138

54.8826, 0.2765,  
0.3138

50.4931, 0.2621,  
0.3065

59.7356, 0.2915,  
0.3206

46.5405, 0.2486,  
0.2986

65.0639, 0.3068,  
0.3268

43.0053, 0.2364,  
0.2904

70.8873, 0.3222,  
0.3324

39.8638, 0.2258,  
0.2819

77.2223, 0.3373,  
0.3374

37.0894, 0.2170,  
0.2732

81.1312, 0.3413,  
0.3423

■ 34.6515, 0.2102,  
0.2644

■ 83.9238, 0.3405,  
0.3473

■ 32.5129, 0.2053,  
0.2558

■ 86.7973, 0.3397,  
0.3522

■ 31.3053, 0.2029,  
0.2505

■ 89.7525, 0.3389,  
0.3570

■ 92.7900, 0.3381,  
0.3618

# Harmonies

## Analogous

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



54.8826, 0.2835, 0.3309



54.8826, 0.2765, 0.3138



54.8826, 0.2788, 0.3015

# Triad

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



54.8826, 0.2765, 0.3138



54.8826, 0.3268, 0.3109



54.8826, 0.3352, 0.3625

# Complementary

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



54.8826, 0.2765, 0.3138



47.5864, 0.3587, 0.3437

# 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.



54.8826, 0.3475, 0.3558



54.8826, 0.2765, 0.3138



54.8826, 0.3427, 0.3261

# Square

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



54.8826, 0.2765, 0.3138



54.8826, 0.3074, 0.3004



54.8826, 0.3504, 0.3424



54.8826, 0.3171, 0.3599



# Rectangle

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



54.8826, 0.2765, 0.3138



54.8826, 0.2854, 0.2975



54.8826, 0.3504, 0.3424



54.8826, 0.3402, 0.3613

# Sweetspot

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



54.8848, 0.2765, 0.3138



94.1240, 0.3019, 0.3248



58.9640, 0.3019, 0.3798



20.0416, 0.3009, 0.3245



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

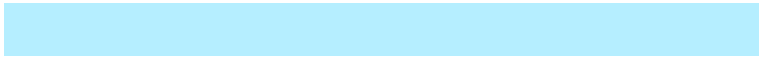


# Same Dimension

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



54.8848, 0.2765, 0.3138



77.9824, 0.2685, 0.3099



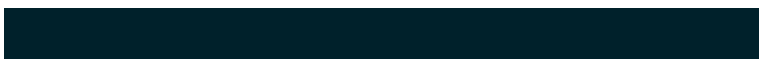
43.9217, 0.2738, 0.2804



13.5903, 0.2982, 0.3234



19.0905, 0.2033, 0.2518



1.2740, 0.2074, 0.2666



# Inverse Universe

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



44.7493, 0.3258, 0.2832



60.4793, 0.3294, 0.2724



58.4276, 0.3519, 0.3733



12.5805, 0.3173, 0.3113



10.2720, 0.3905, 0.1925

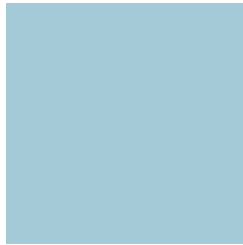


0.6319, 0.3760, 0.1845



# Previews

## White Background



This preview shows how the Yxy color 54.8826, 0.2765, 0.3138 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

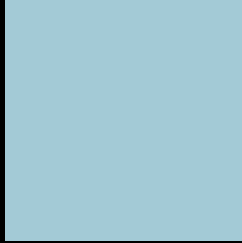
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.8826, 0.2765, 0.3138 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

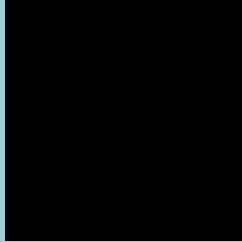
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

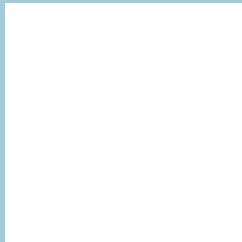
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.8826, 0.2765, 0.3138**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.8826, 0.2765, 0.3138.



This preview shows how white text looks on a background with the Yxy color 54.8826, 0.2765, 0.3138.

# 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

54.8826, 0.2765, 0.3138

### Protanopia

54.6564, 0.3018, 0.3109

### Deuteranopia

54.6740, 0.3039, 0.2975



## Tritanopia

54.7278, 0.2746, 0.3076

# Trichromacy



## Original Color

54.8826, 0.2765, 0.3138

## Protanomaly

54.7029, 0.2921, 0.3118

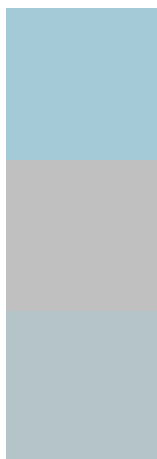
## Deuteranomaly

54.3603, 0.2931, 0.3025

## Tritanomaly

54.6756, 0.2752, 0.3089

# Monochromacy



## Original Color

54.8826, 0.2765, 0.3138

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

53.4737, 0.2982, 0.3240

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.8826, 0.2765, 0.3138 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(163, 202, 214)` looks like.

```
.text, #text, p{  
    color:rgb(163, 202, 214)  
}
```

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(163, 202, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 202, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 54.8826, 0.2765, 0.3138 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(163, 202, 214) }
```

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

```
.border{ border-color:rgb(163, 202, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 202, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 202, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 202, 214);  
box-shadow:4px 4px 4px 4px rgb(163, 202,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.8826, 0.2765, 0.3138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 202, 214) }
```

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

```
.background{ background-color: rgb(163,  
202, 214) }
```

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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