

# Converting Colors

$Y_{xy}(50.9578, 0.2854, 0.3281)$

Have a look what the booklet for  
Yxy(50.9578, 0.2854, 0.3281)  
contains.

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# Color

**Yxy(50.9847, 0.2847, 0.3276)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A0C4C5
RGB	160, 196, 197
RGB Percent	63%, 77%, 77%
CMY	0.3728, 0.2313, 0.2274
CMYK	0.19, 0.01, 0.00, 0.23
HSL	182°, 24%, 70%
HSV	182°, 19%, 77%
XYZ	44.3081, 50.9847, 60.3381
YIQ	185.3500, -21.7770, -7.3210

# Conversions

## Conversions Part 2

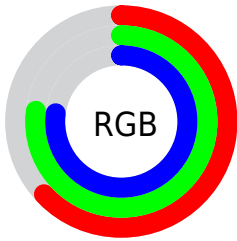
Format	Color
<a href="#">RYB</a>	<a href="#">160, 178, 197</a>
Decimal	<a href="#">10536133</a>
CIELab	<a href="#">76.67, -11.75, -4.50</a>
CIELCh	<a href="#">77, 12.581, 200.961</a>
Yxy	<a href="#">50.9847, 0.2847, 0.3276</a>
Android (android.graphics.Color)	<a href="#">4288726213 (0xFFA0C4C5)</a>
YUV	<a href="#">185.3500, 5.7435, -22.2319</a>
Hunter-Lab	<a href="#">71.4036, -14.1915, -0.1193</a>

# Details

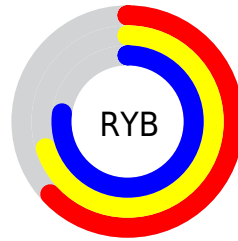
The Yxy color **50.9847, 0.2847, 0.3276** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.8795, 0.3489, 0.3304**, and the grayscale version is **48.6934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8534, 0.2893, 0.3279**, and **24.5173, 0.2777, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **48.8759, 0.2712, 0.3268**, and if you desaturate by 10%, it is **53.4202, 0.2993, 0.3284**.

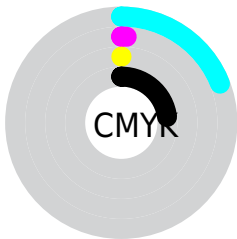
# Distribution



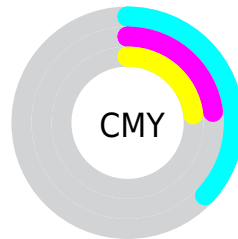
- Red (63%)
- Green (77%)
- Blue (77%)



- Red (63%)
- Yellow (70%)
- Blue (77%)



- Cyan (19%)
- Magenta (1%)
- Yellow (0%)
- Black (23%)




- Cyan (37%)
- Magenta (23%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9847, 0.2847, 0.3276 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 50.9847, 0.2847, 0.3276 by changing the saturation by 10% instead.





 50.9847, 0.2847,  
0.3276


 50.9847, 0.2847,  
0.3276


390.5043, 0.2984,  
0.3284

 36.1964, 0.2814,  
0.3274


 91.6322, 0.2896,  
0.3279

 24.5859, 0.2771,  
0.3270

 118.2601, 0.2915,  
0.3280

 15.7688, 0.2716,  
0.3265


149.6035, 0.2931,  
0.3281

 9.3607, 0.2640,  
0.3258

186.0466, 0.2944,  
0.3282

 4.9772, 0.2531,  
0.3246

227.9738, 0.2956,  
0.3283

 2.2339, 0.2359,  
0.3223

275.7696, 0.2967,

 0.7384, 0.1820,

0.3283

0.3238

329.8183, 0.2976,  
0.3284

0.0000, 0.0000,  
0.0000

50.9847, 0.2847,  
0.3276

50.9847, 0.2847,  
0.3276

48.8759, 0.2712,  
0.3268

53.4202, 0.2993,  
0.3284

47.0725, 0.2590,  
0.3259

56.1904, 0.3146,  
0.3291

45.5602, 0.2484,  
0.3250

59.3105, 0.3303,  
0.3297

44.3212, 0.2395,  
0.3241

62.7932, 0.3462,  
0.3303

43.3356, 0.2326,  
0.3232

65.9895, 0.3593,  
0.3309

■ 42.5809, 0.2275,  
0.3223

■ 66.2341, 0.3592,  
0.3314

■ 42.0307, 0.2243,  
0.3214

■ 66.4797, 0.3591,  
0.3320

■ 41.6412, 0.2225,  
0.3206

■ 66.7261, 0.3590,  
0.3325

■ 41.5985, 0.2224,  
0.3205

■ 66.9733, 0.3588,  
0.3330

# Harmonies

## Analogous

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



50.9847, 0.2967, 0.3432



50.9847, 0.2847, 0.3276



50.9847, 0.2800, 0.3129

# Triad

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



50.9847, 0.2847, 0.3276



50.9847, 0.3115, 0.3048



50.9847, 0.3422, 0.3548

# Complementary

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



50.9847, 0.2847, 0.3276



39.8795, 0.3489, 0.3304

# 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.



50.9847, 0.3465, 0.3437



50.9847, 0.2847, 0.3276



50.9847, 0.3285, 0.3153

# Square

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



50.9847, 0.2847, 0.3276



50.9847, 0.2952, 0.3003



50.9847, 0.3415, 0.3294



50.9847, 0.3299, 0.3591



# Rectangle

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



50.9847, 0.2847, 0.3276



50.9847, 0.2816, 0.3056



50.9847, 0.3415, 0.3294



50.9847, 0.3447, 0.3517

# Sweetspot

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



50.9868, 0.2847, 0.3276



96.9495, 0.3034, 0.3286



49.9657, 0.3099, 0.3790



20.6831, 0.3024, 0.3285



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.



50.9868, 0.2847, 0.3276



89.5166, 0.2784, 0.3272



43.2862, 0.2833, 0.3031



12.0165, 0.2984, 0.3283



27.3770, 0.2224, 0.3206



1.3121, 0.2229, 0.3224



# Inverse Universe

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



40.9814, 0.3158, 0.2840



68.0164, 0.3165, 0.2730



46.6884, 0.3447, 0.3536



10.8115, 0.3142, 0.3068



10.3037, 0.3277, 0.1579



0.4895, 0.3262, 0.1571



# Previews

## White Background



This preview shows how the Yxy color 50.9847, 0.2847, 0.3276 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

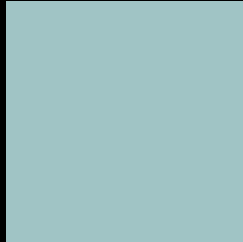
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.9847, 0.2847, 0.3276 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

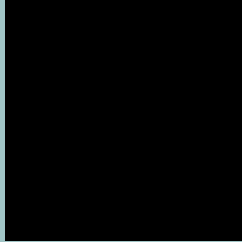
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

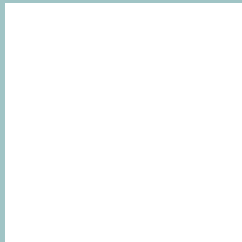
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.9847, 0.2847, 0.3276**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.9847, 0.2847, 0.3276.



This preview shows how white text looks on a background with the Yxy color 50.9847, 0.2847, 0.3276.

# 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

50.9847, 0.2847, 0.3276

### Protanopia

50.8486, 0.3121, 0.3240

### Deuteranopia

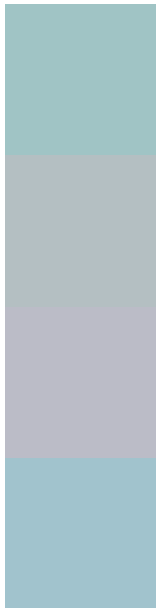
50.5937, 0.3154, 0.3085



## Tritanopia

50.9181, 0.2775, 0.3084

# Trichromacy



**Original Color**

50.9847, 0.2847, 0.3276

**Protanomaly**

50.8599, 0.3017, 0.3252

**Deuteranomaly**

50.6548, 0.3036, 0.3153

**Tritanomaly**

51.0151, 0.2801, 0.3159

# Monochromacy



**Original Color**

50.9847, 0.2847, 0.3276

**Achromatopsia**

48.5150, 0.3127, 0.3290

**Achromatomaly**

49.2994, 0.3022, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.9847, 0.2847, 0.3276 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(160, 196, 197)` looks like.

```
.text, #text, p{  
    color:rgb(160, 196, 197)  
}
```

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(160, 196, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 196, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 50.9847, 0.2847, 0.3276 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(160, 196, 197) }
```

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

```
.border{ border-color:rgb(160, 196, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 196, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 196, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 196, 197);  
box-shadow:4px 4px 4px 4px rgb(160, 196,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.9847, 0.2847, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 196, 197) }
```

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

```
.background{ background-color: rgb(160,  
196, 197) }
```

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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