

# Converting Colors

$Yxy(58.1394, 0.2849, 0.3280)$

Have a look what the booklet for  
Yxy(58.1394, 0.2849, 0.3280)  
contains.

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# Color

**Yxy(58.2612, 0.2848, 0.3277)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAD0D1
RGB	170, 208, 209
RGB Percent	67%, 82%, 82%
CMY	0.3335, 0.1843, 0.1804
CMYK	0.19, 0.00, 0.00, 0.18
HSL	182°, 30%, 74%
HSV	182°, 19%, 82%
XYZ	50.6341, 58.2612, 68.8929
YIQ	196.7520, -22.9690, -7.7450

# Conversions

## Conversions Part 2

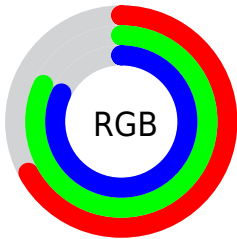
Format	Color
<b>RYB</b>	170, 189, 209
Decimal	11194577
CIELab	80.88, -12.28, -4.66
CIELCh	81, 13.130, 200.779
Yxy	58.2612, 0.2848, 0.3277
Android (android.graphics.Color)	4289384657 (0xFFAAD0D1)
YUV	196.7520, 6.0383, -23.4615
Hunter-Lab	76.3290, -15.1649, -0.0836

# Details

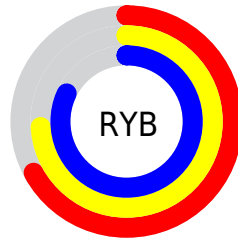
The Yxy color  $58.2612, 0.2848, 0.3277$  is a light color, and the websafe version is hex  $99CCCC$ . A complement of this color would be  $45.5565, 0.3487, 0.3303$ , and the grayscale version is  $55.6472, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $94.9088, 0.2952, 0.3289$ , and  $29.2597, 0.2774, 0.3272$  is the 20% darker color. If you saturate the color by 10%, you get  $55.8624, 0.2712, 0.3269$ , and if you desaturate by 10%, it is  $61.0358, 0.2994, 0.3284$ .

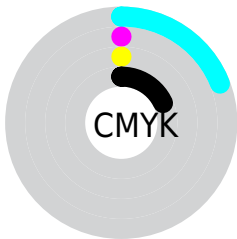
# Distribution



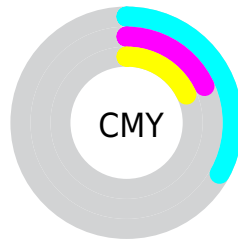
- Red (67%)
- Green (82%)
- Blue (82%)



- Red (67%)
- Yellow (74%)
- Blue (82%)



- Cyan (19%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)




- Cyan (33%)
- Magenta (18%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.2612, 0.2848, 0.3277 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 58.2612, 0.2848, 0.3277 by changing the saturation by 10% instead.





 58.2612, 0.2848,  
0.3277

 58.2612, 0.2848,  
0.3277


418.1585, 0.2981,  
0.3285

 42.0187, 0.2816,  
0.3275


 102.3031, 0.2895,  
0.3280

 29.1159, 0.2777,  
0.3272


130.8713, 0.2913,  
0.3281

 19.1685, 0.2726,  
0.3268


164.3169, 0.2929,  
0.3282

 11.7921, 0.2657,  
0.3261

203.0241, 0.2942,  
0.3283

 6.6023, 0.2561,  
0.3251

247.3775, 0.2954,  
0.3283

 3.2146, 0.2415,  
0.3233

297.7615, 0.2964,

 1.2448, 0.2170,

0.3284

0.3194

354.5603, 0.2973,  
0.3284

0.0978, 0.0000,  
0.1846

0.0000, 0.0000,  
0.0000

58.2612, 0.2848,  
0.3277

58.2612, 0.2848,  
0.3277

55.8624, 0.2712,  
0.3269

61.0358, 0.2994,  
0.3284

53.8149, 0.2590,  
0.3261

64.1954, 0.3148,  
0.3291


52.1020, 0.2484,  
0.3253


67.7577, 0.3306,  
0.3297


50.7033, 0.2395,  
0.3245

71.7372, 0.3466,  
0.3302

 49.5958, 0.2326,  
0.3236


 72.2694, 0.3476,  
0.3308


 48.7535, 0.2276,  
0.3228


 72.5293, 0.3475,  
0.3313


 48.1457, 0.2244,  
0.3220

 72.7901, 0.3474,  
0.3318

 47.7245, 0.2227,  
0.3212

 73.0518, 0.3473,  
0.3324

 47.6738, 0.2225,  
0.3210

 73.3143, 0.3473,  
0.3329

# Harmonies

## Analogous

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



58.2612, 0.2968, 0.3433



58.2612, 0.2848, 0.3277



58.2612, 0.2801, 0.3130

# Triad

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



58.2612, 0.2848, 0.3277



58.2612, 0.3114, 0.3048



58.2612, 0.3422, 0.3547

# Complementary

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



58.2612, 0.2848, 0.3277



45.5565, 0.3487, 0.3303

# 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.



58.2612, 0.3465, 0.3436



58.2612, 0.2848, 0.3277



58.2612, 0.3284, 0.3152

# Square

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



58.2612, 0.2848, 0.3277



58.2612, 0.2951, 0.3003



58.2612, 0.3414, 0.3293



58.2612, 0.3300, 0.3591



# Rectangle

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



58.2612, 0.2848, 0.3277



58.2612, 0.2816, 0.3057



58.2612, 0.3414, 0.3293



58.2612, 0.3447, 0.3516

# Sweetspot

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



58.2636, 0.2848, 0.3277



96.9685, 0.3034, 0.3286



57.0642, 0.3099, 0.3788



20.6876, 0.3024, 0.3286



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.



58.2636, 0.2848, 0.3277



89.9751, 0.2798, 0.3274



49.4643, 0.2834, 0.3032



13.3541, 0.2983, 0.3284



29.4194, 0.2226, 0.3212



1.6614, 0.2230, 0.3226



# Inverse Universe

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



46.8427, 0.3157, 0.2841



69.1907, 0.3163, 0.2754



53.3365, 0.3445, 0.3535



12.0037, 0.3142, 0.3067



11.0412, 0.3272, 0.1576



0.6190, 0.3260, 0.1569



# Previews

## White Background



This preview shows how the Yxy color 58.2612, 0.2848, 0.3277 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

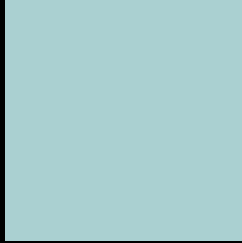
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.2612, 0.2848, 0.3277 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

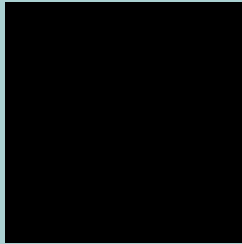
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

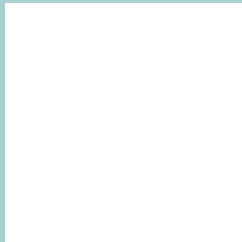
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.2612, 0.2848, 0.3277**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.2612, 0.2848, 0.3277.

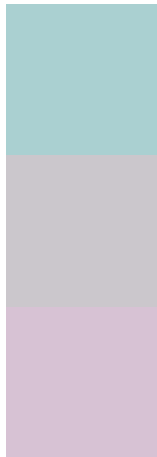


This preview shows how white text looks on a background with the Yxy color 58.2612, 0.2848, 0.3277.

# 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

58.2612, 0.2848, 0.3277

### Protanopia

57.9030, 0.3122, 0.3231

### Deuteranopia

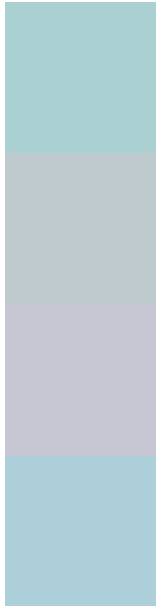
57.7841, 0.3161, 0.3085



## Tritanopia

58.3008, 0.2786, 0.3095

# Trichromacy



**Original Color**

58.2612, 0.2848, 0.3277

**Protanomaly**

57.7737, 0.3016, 0.3241

**Deuteranomaly**

57.6921, 0.3041, 0.3148

**Tritanomaly**

58.4061, 0.2811, 0.3167

# Monochromacy



**Original Color**

58.2612, 0.2848, 0.3277

**Achromatopsia**

55.8340, 0.3127, 0.3290

**Achromatomaly**

56.5551, 0.3020, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.2612, 0.2848, 0.3277 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(170, 208, 209)` looks like.

```
.text, #text, p{  
    color:rgb(170, 208, 209)  
}
```

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(170, 208, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 208, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 58.2612, 0.2848, 0.3277 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(170, 208, 209) }
```

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

```
.border{ border-color:rgb(170, 208, 209) }
```

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

Here you see how a box with a 4 pixel rgb(170, 208, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 208, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 208, 209);  
box-shadow:4px 4px 4px 4px rgb(170, 208,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.2612, 0.2848, 0.3277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 208, 209) }
```

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

```
.background{ background-color: rgb(170,  
208, 209) }
```

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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