

# Converting Colors

$Yxy(58.8832, 0.2774, 0.3195)$

Have a look what the booklet for  
Yxy(58.8832, 0.2774, 0.3195)  
contains.

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# Color

**Yxy(58.7177, 0.2774, 0.3190)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6D1D9
RGB	166, 209, 217
RGB Percent	65%, 82%, 85%
CMY	0.3488, 0.1804, 0.1490
CMYK	0.23, 0.04, 0.00, 0.15
HSL	189°, 40%, 75%
HSV	189°, 23%, 85%
XYZ	51.0605, 58.7177, 74.2899
YIQ	197.0550, -28.1960, -6.6280

# Conversions

## Conversions Part 2

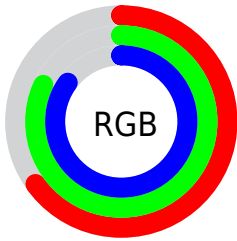
<b>Format</b>	<b>Color</b>
<b>RYB</b>	166, 189, 217
Decimal	10932697
CIELab	81.14, -12.23, -8.59
CIELCh	81, 14.947, 215.098
Yxy	58.7177, 0.2774, 0.3190
Android (android.graphics.Color)	4289122777 (0xFFA6D1D9)
YUV	197.0550, 9.8329, -27.2352
Hunter-Lab	76.6275, -15.1552, -3.8420

# Details

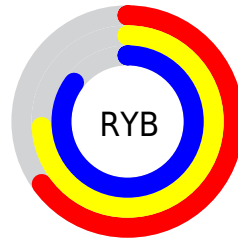
The Yxy color **58.7177, 0.2774, 0.3190** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.8096, 0.3589, 0.3388**, and the grayscale version is **55.8301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **29.5620, 0.2689, 0.3172** is the 20% darker color. If you saturate the color by 10%, you get **54.9111, 0.2635, 0.3142**, and if you desaturate by 10%, it is **62.9607, 0.2921, 0.3235**.

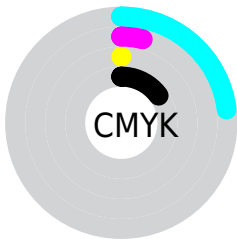
# Distribution



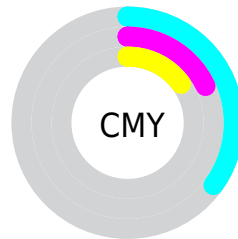
- Red (65%)
- Green (82%)
- Blue (85%)



- Red (65%)
- Yellow (74%)
- Blue (85%)



- Cyan (23%)
- Magenta (4%)
- Yellow (0%)
- Black (15%)




- Cyan (35%)
- Magenta (18%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.7177, 0.2774, 0.3190 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 58.7177, 0.2774, 0.3190 by changing the saturation by 10% instead.




 58.7177, 0.2774,  
0.3190


 58.7177, 0.2774,  
0.3190

419.8550, 0.2942,  
0.3240

 42.3859, 0.2735,  
0.3177


 102.9673, 0.2833,  
0.3208

 29.4036, 0.2685,  
0.3161


 131.6538, 0.2856,  
0.3215

 19.3863, 0.2622,  
0.3140


165.2274, 0.2875,  
0.3221

 11.9498, 0.2537,  
0.3110

204.0725, 0.2892,  
0.3226

 6.7095, 0.2419,  
0.3067

248.5734, 0.2907,  
0.3230

 3.2811, 0.2244,  
0.2996

299.1145, 0.2920,

 1.2802, 0.1956,

0.3234

0.2867

356.0802, 0.2932,  
0.3237

0.1258, 0.0000,  
0.1456

0.0000, 0.0000,  
0.0000

58.7177, 0.2774,  
0.3190

58.7177, 0.2774,  
0.3190

54.9111, 0.2635,  
0.3142

62.9607, 0.2921,  
0.3235

51.5138, 0.2508,  
0.3090

67.6515, 0.3074,  
0.3277

48.5062, 0.2395,  
0.3036

72.8102, 0.3228,  
0.3314

45.8644, 0.2298,  
0.2981

78.4532, 0.3383,  
0.3348

■ 43.5615, 0.2221,  
0.2925

■ 80.6947, 0.3393,  
0.3382

■ 41.5666, 0.2162,  
0.2868

■ 82.5704, 0.3388,  
0.3415

■ 39.8423, 0.2123,  
0.2812

■ 84.4834, 0.3383,  
0.3449

■ 38.8222, 0.2105,  
0.2776

■ 86.4337, 0.3378,  
0.3483

■ 88.4216, 0.3373,  
0.3516

# Harmonies

## Analogous

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



58.7177, 0.2873, 0.3370



58.7177, 0.2774, 0.3190



58.7177, 0.2766, 0.3046

# Triad

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



58.7177, 0.2774, 0.3190



58.7177, 0.3206, 0.3066



58.7177, 0.3405, 0.3617

# Complementary

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



58.7177, 0.2774, 0.3190



47.8096, 0.3589, 0.3388

# 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.



58.7177, 0.3501, 0.3522



58.7177, 0.2774, 0.3190



58.7177, 0.3385, 0.3207

# Square

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



58.7177, 0.2774, 0.3190



58.7177, 0.3011, 0.2980



58.7177, 0.3494, 0.3372



58.7177, 0.3235, 0.3623



# Rectangle

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



58.7177, 0.2774, 0.3190



58.7177, 0.2813, 0.2987



58.7177, 0.3494, 0.3372



58.7177, 0.3447, 0.3594

# Sweetspot

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



58.7201, 0.2774, 0.3190



94.9918, 0.3018, 0.3262



60.7861, 0.3048, 0.3846



20.2431, 0.3009, 0.3260



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

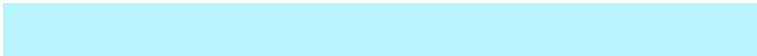


# Same Dimension

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



58.7201, 0.2774, 0.3190



81.9229, 0.2706, 0.3167



47.3601, 0.2748, 0.2868



14.4625, 0.2982, 0.3252



23.6282, 0.2107, 0.2784



1.6265, 0.2132, 0.2875



# Inverse Universe

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



46.6508, 0.3222, 0.2795



61.8926, 0.3244, 0.2692



58.4351, 0.3524, 0.3679



13.2378, 0.3162, 0.3095



11.0090, 0.3649, 0.1784

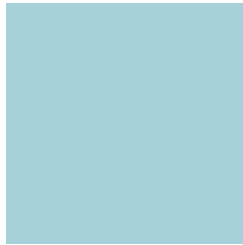


0.7229, 0.3566, 0.1738



# Previews

## White Background



This preview shows how the Yxy color 58.7177, 0.2774, 0.3190 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

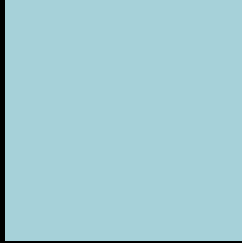
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.7177, 0.2774, 0.3190 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

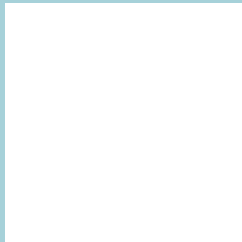
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.7177, 0.2774, 0.3190**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.7177, 0.2774, 0.3190.

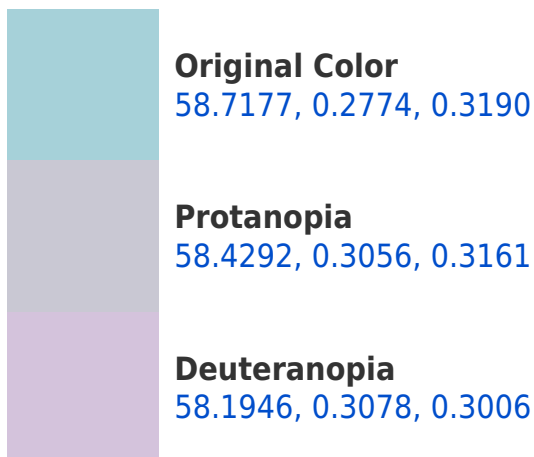


This preview shows how white text looks on a background with the Yxy color 58.7177, 0.2774, 0.3190.

# 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





## Tritanopia

58.8184, 0.2744, 0.3094

# Trichromacy



**Original Color**

58.7177, 0.2774, 0.3190

**Protanomaly**

58.2073, 0.2946, 0.3170

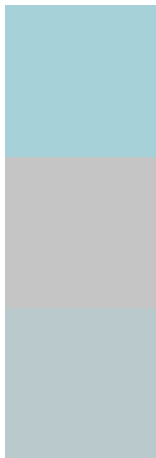
**Deuteranomaly**

58.0251, 0.2956, 0.3066

**Tritanomaly**

58.5477, 0.2755, 0.3130

# Monochromacy



**Original Color**

58.7177, 0.2774, 0.3190

**Achromatopsia**

55.8340, 0.3127, 0.3290

**Achromatomaly**

56.5720, 0.2992, 0.3253

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.7177, 0.2774, 0.3190 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(166, 209, 217)` looks like.

```
.text, #text, p{  
    color:rgb(166, 209, 217)  
}
```

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(166, 209, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 209, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 58.7177, 0.2774, 0.3190 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(166, 209, 217) }
```

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

```
.border{ border-color:rgb(166, 209, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 209, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 209, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 209, 217); box-shadow:4px 4px 4px 4px rgb(166, 209, 217) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.7177, 0.2774, 0.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 209, 217) }
```

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

```
.background{ background-color: rgb(166,  
209, 217) }
```

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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