

# Converting Colors

$Yxy(58.5488, 0.2867, 0.3137)$

Have a look what the booklet for  
Yxy(58.5488, 0.2867, 0.3137)  
contains.

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# Color

**Yxy(58.5484, 0.2865, 0.3133)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5CDDA
RGB	181, 205, 218
RGB Percent	71%, 80%, 85%
CMY	0.2902, 0.1961, 0.1452
CMYK	0.17, 0.06, 0.00, 0.15
HSL	201°, 33%, 78%
HSV	201°, 17%, 85%
XYZ	53.5401, 58.5484, 74.7880
YIQ	199.3060, -18.4770, -1.0450

# Conversions

## Conversions Part 2

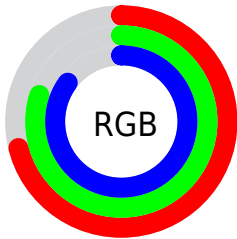
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 196, 218
Decimal	11914714
CIE Lab	81.04, -5.35, -9.15
CIE LCh	81, 10.598, 239.676
Yxy	58.5484, 0.2865, 0.3133
Android (android.graphics.Color)	4290104794 (0xFFB5CDDA)
YUV	199.3060, 9.2161, -16.0544
Hunter-Lab	76.5169, -9.0053, -4.3884

# Details

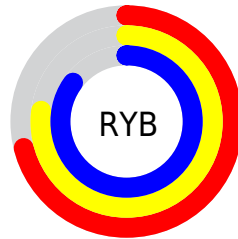
The Yxy color **58.5484, 0.2865, 0.3133** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.8089, 0.3425, 0.3442**, and the grayscale version is **57.2625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **29.3668, 0.2802, 0.3096** is the 20% darker color. If you saturate the color by 10%, you get **52.5496, 0.2710, 0.3028**, and if you desaturate by 10%, it is **65.1430, 0.3020, 0.3229**.

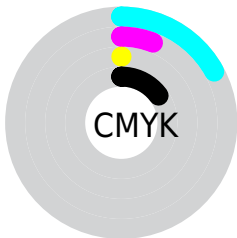
# Distribution



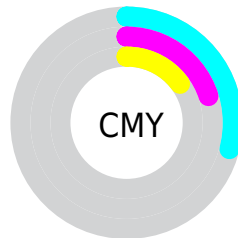
- Red (71%)
- Green (80%)
- Blue (85%)



- Red (71%)
- Yellow (77%)
- Blue (85%)



- Cyan (17%)
- Magenta (6%)
- Yellow (0%)
- Black (15%)



- Cyan (29%)
- Magenta (20%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.5484, 0.2865, 0.3133 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 58.5484, 0.2865, 0.3133 by changing the saturation by 10% instead.



■ 58.5484, 0.2865,  
0.3133

■ 58.5484, 0.2865,  
0.3133

419.2263, 0.2990,  
0.3209

■ 42.2497, 0.2835,  
0.3115

■ 102.7210, 0.2909,  
0.3160

■ 29.2969, 0.2798,  
0.3091

131.3637, 0.2926,  
0.3171

■ 19.3055, 0.2751,  
0.3061

164.8899, 0.2941,  
0.3180

■ 11.8912, 0.2687,  
0.3020

203.6839, 0.2953,  
0.3187

■ 6.6697, 0.2597,  
0.2961

248.1301, 0.2964,  
0.3194

■ 3.2564, 0.2462,  
0.2869

298.6130, 0.2974,

■ 1.2670, 0.2238,

0.3200

0.2711

355.5170, 0.2982,  
0.3205

0.1154, 0.0000,  
0.1311

0.0000, 0.0000,  
0.0000

58.5484, 0.2865,  
0.3133

58.5484, 0.2865,  
0.3133

52.5496, 0.2710,  
0.3028

65.1430, 0.3020,  
0.3229

47.1177, 0.2559,  
0.2913

72.3465, 0.3173,  
0.3315

42.2320, 0.2415,  
0.2791

80.1805, 0.3322,  
0.3392

37.8672, 0.2283,  
0.2662

86.0741, 0.3373,  
0.3466

■ 33.9959, 0.2165,  
0.2529

■ 90.5610, 0.3362,  
0.3540

■ 30.5869, 0.2066,  
0.2393

■ 95.2386, 0.3351,  
0.3613

■ 27.6044, 0.1987,  
0.2258

■ 97.8404, 0.3346,  
0.3651

■ 25.0025, 0.1928,  
0.2126

■ 24.2634, 0.1913,  
0.2086

# Harmonies

## Analogous

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



58.5484, 0.2883, 0.3243



58.5484, 0.2865, 0.3133



58.5484, 0.2915, 0.3068

# Triad

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



58.5484, 0.2865, 0.3133



58.5484, 0.3290, 0.3211



58.5484, 0.3229, 0.3529

# Complementary

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



58.5484, 0.2865, 0.3133



56.8089, 0.3425, 0.3442

# 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.



58.5484, 0.3342, 0.3514



58.5484, 0.2865, 0.3133



58.5484, 0.3377, 0.3329

# Square

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



58.5484, 0.2865, 0.3133



58.5484, 0.3159, 0.3114



58.5484, 0.3396, 0.3440



58.5484, 0.3091, 0.3476



# Rectangle

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



58.5484, 0.2865, 0.3133



58.5484, 0.2981, 0.3058



58.5484, 0.3396, 0.3440



58.5484, 0.3271, 0.3531

# Sweetspot

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



58.5508, 0.2865, 0.3133



94.8413, 0.3050, 0.3246



63.8451, 0.3022, 0.3583



20.1486, 0.3039, 0.3240



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

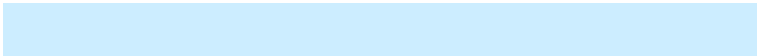


# Same Dimension

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



58.5508, 0.2865, 0.3133



80.6905, 0.2815, 0.3100



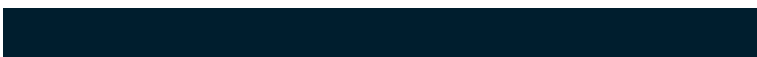
50.2362, 0.2854, 0.2903



14.0208, 0.2982, 0.3206



14.7495, 0.1918, 0.2105



1.1150, 0.1978, 0.2320



# Inverse Universe

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



52.3600, 0.3250, 0.3014



70.5667, 0.3277, 0.2960



65.5380, 0.3391, 0.3649



13.1932, 0.3191, 0.3139



10.1127, 0.4336, 0.2162

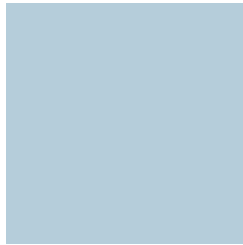


0.6712, 0.4105, 0.2035



# Previews

## White Background



This preview shows how the Yxy color 58.5484, 0.2865, 0.3133 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

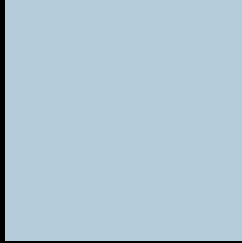
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.5484, 0.2865, 0.3133 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

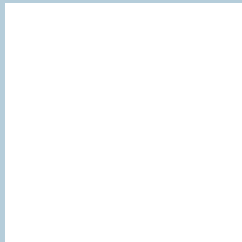
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.5484, 0.2865, 0.3133**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.5484, 0.2865, 0.3133.



This preview shows how white text looks on a background with the Yxy color 58.5484, 0.2865, 0.3133.

# 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

58.5484, 0.2865, 0.3133

### Protanopia

58.4942, 0.3021, 0.3114

### Deuteranopia

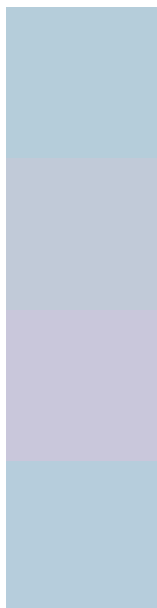
58.1946, 0.3078, 0.3006



## Tritanopia

58.8282, 0.2853, 0.3098

# Trichromacy



## Original Color

58.5484, 0.2865, 0.3133

## Protanomaly

58.5364, 0.2962, 0.3124

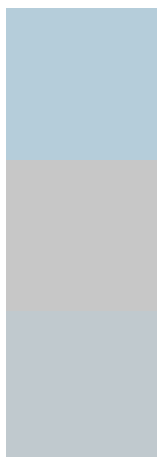
## Deuteranomaly

58.3788, 0.3001, 0.3057

## Tritanomaly

58.7750, 0.2859, 0.3109

# Monochromacy



## Original Color

58.5484, 0.2865, 0.3133

## Achromatopsia

57.1125, 0.3127, 0.3290

## Achromatomaly

57.4360, 0.3023, 0.3230

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.5484, 0.2865, 0.3133 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(181, 205, 218)` looks like.

```
.text, #text, p{  
    color:rgb(181, 205, 218)  
}
```

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(181, 205, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 205, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 58.5484, 0.2865, 0.3133 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(181, 205, 218) }
```

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

```
.border{ border-color:rgb(181, 205, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 205, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 205, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 205, 218);  
box-shadow:4px 4px 4px 4px rgb(181, 205,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.5484, 0.2865, 0.3133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 205, 218) }
```

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

```
.background{ background-color: rgb(181,  
205, 218) }
```

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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