

# Converting Colors

Yxy(65.8494, 0.2861, 0.3145)

Have a look what the booklet for  
Yxy(65.8494, 0.2861, 0.3145)  
contains.

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# Color

**Yxy(65.7160, 0.2863, 0.3140)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<code>BED8E5</code>
RGB	190, 216, 229
RGB Percent	75%, 85%, 90%
CMY	0.2552, 0.1528, 0.1020
CMYK	0.17, 0.06, 0.00, 0.10
HSL	200°, 43%, 82%
HSV	200°, 17%, 90%
XYZ	59.9188, 65.7160, 83.6519
YIQ	209.7080, -19.6690, -1.4690

# Conversions

## Conversions Part 2

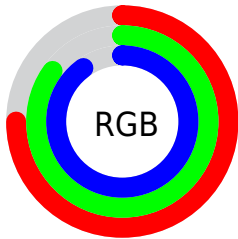
Format	Color
R <sub>Y</sub> B	190, 206, 229
Decimal	12507365
CIE Lab	84.85, -5.98, -9.29
CIE LCh	85, 11.052, 237.244
Yxy	65.7160, 0.2863, 0.3140
Android (android.graphics.Color)	4290697445 (0xFFBED8E5)
YUV	209.7080, 9.5110, -17.2839
Hunter-Lab	81.0654, -9.9278, -4.4359

# Details

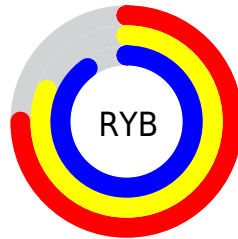
The Yxy color **65.7160, 0.2863, 0.3140** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.0343, 0.3430, 0.3435**, and the grayscale version is **64.1868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **33.7800, 0.2795, 0.3091** is the 20% darker color. If you saturate the color by 10%, you get **59.1930, 0.2709, 0.3040**, and if you desaturate by 10%, it is **72.8879, 0.3018, 0.3231**.

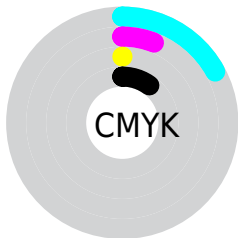
# Distribution



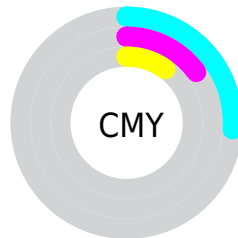
- Red (75%)
- Green (85%)
- Blue (90%)



- Red (75%)
- Yellow (81%)
- Blue (90%)



- Cyan (17%)
- Magenta (6%)
- Yellow (0%)
- Black (10%)



- Cyan (26%)
- Magenta (15%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.7160, 0.2863, 0.3140 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 65.7160, 0.2863, 0.3140 by changing the saturation by 10% instead.



■ 65.7160, 0.2863,  
0.3140

■ 65.7160, 0.2863,  
0.3140

445.3605, 0.2987,  
0.3212

■ 48.0419, 0.2834,  
0.3123

■ 113.0786, 0.2906,  
0.3165

■ 33.8601, 0.2799,  
0.3102

143.5359, 0.2923,  
0.3175

■ 22.7861, 0.2754,  
0.3075

179.0231, 0.2937,  
0.3183

■ 14.4357, 0.2695,  
0.3038

219.9245, 0.2950,  
0.3191

■ 8.4243, 0.2613,  
0.2987

266.6245, 0.2961,  
0.3197

■ 4.3676, 0.2494,  
0.2910

319.5076, 0.2970,

■ 1.8813, 0.2304,

0.3202

0.2783

378.9582, 0.2979,  
0.3207

0.5371, 0.1686,  
0.2484

0.0000, 0.0000,  
0.0000

65.7160, 0.2863,  
0.3140

65.7160, 0.2863,  
0.3140

59.1930, 0.2709,  
0.3040

72.8879, 0.3018,  
0.3231

53.2868, 0.2559,  
0.2932

80.7230, 0.3172,  
0.3313

47.9743, 0.2417,  
0.2816

88.5518, 0.3297,  
0.3387

43.2275, 0.2287,  
0.2694

93.0933, 0.3289,  
0.3461

■ 39.0157, 0.2172,  
0.2568

■ 97.8243, 0.3281,  
0.3533

■ 35.3044, 0.2076,  
0.2440

■ 98.4370, 0.3280,  
0.3542

■ 32.0534, 0.2000,  
0.2312

■ 29.2113, 0.1945,  
0.2187

■ 28.4303, 0.1931,  
0.2150

# Harmonies

## Analogous

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



65.7160, 0.2887, 0.3253



65.7160, 0.2863, 0.3140



65.7160, 0.2908, 0.3071

# Triad

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



65.7160, 0.2863, 0.3140



65.7160, 0.3281, 0.3201



65.7160, 0.3240, 0.3531

# Complementary

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



65.7160, 0.2863, 0.3140



63.0343, 0.3430, 0.3435

# 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.



65.7160, 0.3349, 0.3511



65.7160, 0.2863, 0.3140



65.7160, 0.3373, 0.3319

# Square

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



65.7160, 0.2863, 0.3140



65.7160, 0.3147, 0.3108



65.7160, 0.3399, 0.3432



65.7160, 0.3103, 0.3483



# Rectangle

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



65.7160, 0.2863, 0.3140



65.7160, 0.2971, 0.3057



65.7160, 0.3399, 0.3432



65.7160, 0.3281, 0.3532

# Sweetspot

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



65.7187, 0.2863, 0.3140



94.9905, 0.3050, 0.3249



71.2525, 0.3029, 0.3602



20.1849, 0.3039, 0.3243



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

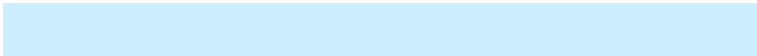


# Same Dimension

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



65.7187, 0.2863, 0.3140



81.2463, 0.2816, 0.3110



56.5662, 0.2852, 0.2915



15.4878, 0.2981, 0.3210



16.4852, 0.1936, 0.2169



1.3870, 0.1987, 0.2352



# Inverse Universe

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



58.4103, 0.3245, 0.3004



70.6228, 0.3270, 0.2951



72.5260, 0.3396, 0.3639



14.5296, 0.3188, 0.3134



10.8619, 0.4265, 0.2123

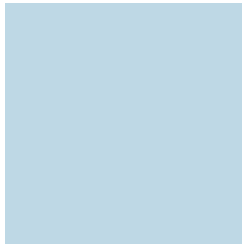


0.8197, 0.4072, 0.2017



# Previews

## White Background



This preview shows how the Yxy color 65.7160, 0.2863, 0.3140 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

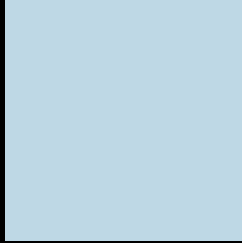
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.7160, 0.2863, 0.3140 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

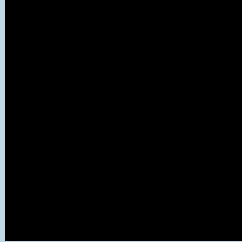
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

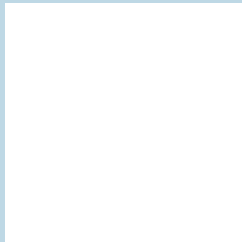
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.7160, 0.2863, 0.3140**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.7160, 0.2863, 0.3140.

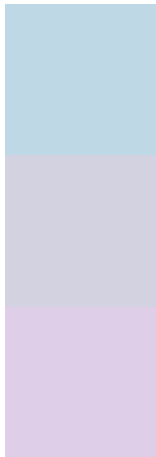


This preview shows how white text looks on a background with the Yxy color 65.7160, 0.2863, 0.3140.

# 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**

65.7160, 0.2863, 0.3140

**Protanopia**

65.3783, 0.3033, 0.3122

**Deuteranopia**

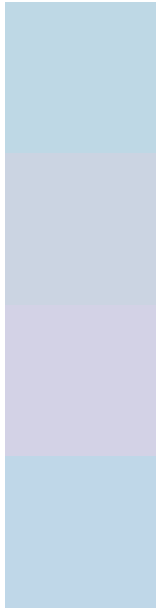
65.6001, 0.3080, 0.3019



## Tritanopia

65.5604, 0.2845, 0.3084

# Trichromacy



## Original Color

65.7160, 0.2863, 0.3140

## Protanomaly

65.2745, 0.2969, 0.3131

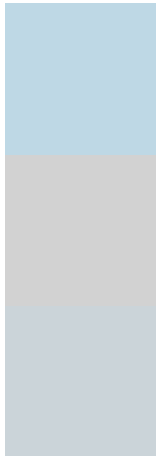
## Deuteranomaly

65.6552, 0.3000, 0.3068

## Tritanomaly

65.5034, 0.2851, 0.3095

# Monochromacy



## Original Color

65.7160, 0.2863, 0.3140

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

64.7932, 0.3028, 0.3233

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.7160, 0.2863, 0.3140 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(190, 216, 229)` looks like.

```
.text, #text, p{  
    color:rgb(190, 216, 229)  
}
```

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(190, 216, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 216, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 65.7160, 0.2863, 0.3140 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(190, 216, 229) }
```

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

```
.border{ border-color:rgb(190, 216, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 216, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 216, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 216, 229);  
box-shadow:4px 4px 4px 4px rgb(190, 216,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.7160, 0.2863, 0.3140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 216, 229) }
```

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

```
.background{ background-color: rgb(190,  
216, 229) }
```

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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