

# Converting Colors

$Y_{xy}(59.1278, 0.2823, 0.3042)$

Have a look what the booklet for  
Yxy(59.1278, 0.2823, 0.3042)  
contains.

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# Color

**Yxy(59.0987, 0.2821, 0.3040)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6CDE2
RGB	182, 205, 226
RGB Percent	71%, 80%, 89%
CMY	0.2864, 0.1960, 0.1137
CMYK	0.19, 0.09, 0.00, 0.11
HSL	209°, 43%, 80%
HSV	209°, 19%, 89%
XYZ	54.8413, 59.0987, 80.4637
YIQ	200.5170, -20.4490, 1.6550

# Conversions

## Conversions Part 2

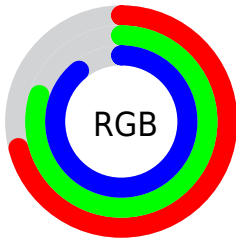
Format	Color
<a href="#">RYB</a>	<a href="#">182, 197, 226</a>
Decimal	<a href="#">11980258</a>
CIELab	<a href="#">81.35, -3.34, -12.98</a>
CIELCh	<a href="#">81, 13.404, 255.576</a>
Yxy	<a href="#">59.0987, 0.2821, 0.3040</a>
Android (android.graphics.Color)	<a href="#">4290170338</a> ( <a href="#">0xFFB6CDE2</a> )
YUV	<a href="#">200.5170, 12.5631, -16.2394</a>
Hunter-Lab	<a href="#">76.8757, -7.1948, -8.2442</a>

# Details

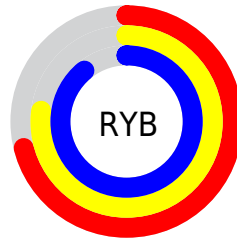
The Yxy color **59.0987, 0.2821, 0.3040** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.2240, 0.3466, 0.3528**, and the grayscale version is **58.0214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **29.7406, 0.2746, 0.2973** is the 20% darker color. If you saturate the color by 10%, you get **51.5938, 0.2659, 0.2891**, and if you desaturate by 10%, it is **67.4068, 0.2981, 0.3175**.

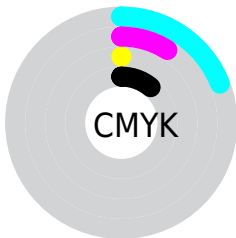
# Distribution



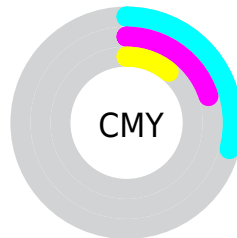
- Red (71%)
- Green (80%)
- Blue (89%)



- Red (71%)
- Yellow (77%)
- Blue (89%)



- Cyan (19%)
- Magenta (9%)
- Yellow (0%)
- Black (11%)



- Cyan (29%)
- Magenta (20%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.0987, 0.2821, 0.3040 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 59.0987, 0.2821, 0.3040 by changing the saturation by 10% instead.



■ 59.0987, 0.2821,  
0.3040

■ 59.0987, 0.2821,  
0.3040

421.2676, 0.2967,  
0.3160

■ 42.6926, 0.2787,  
0.3011

■ 103.5211, 0.2872,  
0.3083

■ 29.6440, 0.2744,  
0.2975

132.3062, 0.2892,  
0.3099

■ 19.5685, 0.2689,  
0.2929

165.9863, 0.2909,  
0.3113

■ 12.0818, 0.2615,  
0.2866

204.9460, 0.2924,  
0.3125

■ 6.7994, 0.2513,  
0.2778

249.5696, 0.2936,  
0.3136

■ 3.3370, 0.2360,  
0.2644

300.2414, 0.2948,

■ 1.3101, 0.2111,

0.3145

0.2421

357.3460, 0.2958,  
0.3153

0.1490, 0.0469,  
0.1161

0.0000, 0.0000,  
0.0000

59.0987, 0.2821,  
0.3040

59.0987, 0.2821,  
0.3040

51.5938, 0.2659,  
0.2891

67.4068, 0.2981,  
0.3175

44.8566, 0.2497,  
0.2730

76.5376, 0.3135,  
0.3296

38.8591, 0.2340,  
0.2556

86.5187, 0.3282,  
0.3403

33.5685, 0.2193,  
0.2375

93.9333, 0.3306,  
0.3506

■ 28.9492, 0.2061,  
0.2188

■ 98.2707, 0.3298,  
0.3572

■ 24.9608, 0.1949,  
0.2001

■ 21.5571, 0.1859,  
0.1819

■ 18.6670, 0.1791,  
0.1645

■ 18.5286, 0.1788,  
0.1636

# Harmonies

## Analogous

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



59.0987, 0.2798, 0.3151



59.0987, 0.2821, 0.3040



59.0987, 0.2924, 0.2998

# Triad

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



59.0987, 0.2821, 0.3040



59.0987, 0.3400, 0.3267



59.0987, 0.3164, 0.3567

# Complementary

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



59.0987, 0.2821, 0.3040



62.2240, 0.3466, 0.3528

# 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.



59.0987, 0.3329, 0.3594



59.0987, 0.2821, 0.3040



59.0987, 0.3468, 0.3415

# Square

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



59.0987, 0.2821, 0.3040



59.0987, 0.3258, 0.3128



59.0987, 0.3441, 0.3535



59.0987, 0.2993, 0.3460



# Rectangle

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



59.0987, 0.2821, 0.3040



59.0987, 0.3026, 0.3012



59.0987, 0.3441, 0.3535



59.0987, 0.3222, 0.3586

# Sweetspot

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



59.1011, 0.2821, 0.3040



92.6506, 0.3034, 0.3218



68.6180, 0.2975, 0.3569



19.6650, 0.3024, 0.3210



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

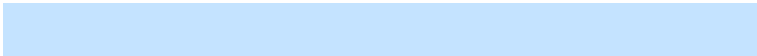


# Same Dimension

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



59.1011, 0.2821, 0.3040



73.9750, 0.2762, 0.2987



49.4723, 0.2805, 0.2774



14.4251, 0.2981, 0.3175



10.8107, 0.1795, 0.1663



0.9284, 0.1870, 0.1933



# Inverse Universe

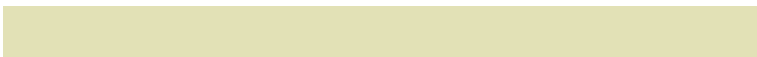
The Inverse Universe completely reimagines the original color for something new.



54.0142, 0.3317, 0.3031



66.4474, 0.3361, 0.2980



73.1385, 0.3423, 0.3759



13.8199, 0.3210, 0.3168



9.9994, 0.4852, 0.2447

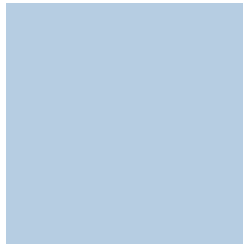


0.7112, 0.4530, 0.2269



# Previews

## White Background



This preview shows how the Yxy color 59.0987, 0.2821, 0.3040 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

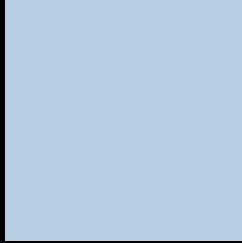
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.0987, 0.2821, 0.3040 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

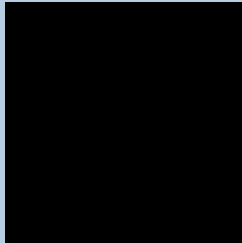
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

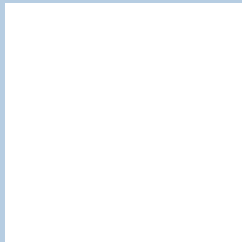
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.0987, 0.2821, 0.3040**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.0987, 0.2821, 0.3040.



This preview shows how white text looks on a background with the Yxy color 59.0987, 0.2821, 0.3040.

# 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

59.0987, 0.2821, 0.3040

### Protanopia

58.7784, 0.2959, 0.3023

### Deuteranopia

59.0893, 0.2999, 0.2940



## Tritanopia

59.2403, 0.2840, 0.3098

# Trichromacy



## Original Color

59.0987, 0.2821, 0.3040

## Protanomaly

58.9603, 0.2909, 0.3032

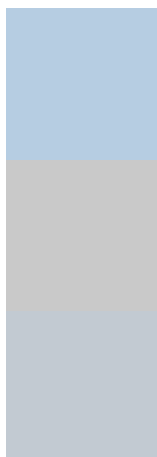
## Deuteranomaly

58.9967, 0.2932, 0.2979

## Tritanomaly

59.2941, 0.2834, 0.3086

# Monochromacy



## Original Color

59.0987, 0.2821, 0.3040

## Achromatopsia

58.4078, 0.3127, 0.3290

## Achromatomaly

58.3635, 0.3010, 0.3194

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.0987, 0.2821, 0.3040 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(182, 205, 226)` looks like.

```
.text, #text, p{  
    color:rgb(182, 205, 226)  
}
```

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(182, 205, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 205, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 59.0987, 0.2821, 0.3040 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(182, 205, 226) }
```

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

```
.border{ border-color:rgb(182, 205, 226) }
```

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

Here you see how a box with a 4 pixel rgb(182, 205, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 205, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 205, 226);  
box-shadow:4px 4px 4px 4px rgb(182, 205,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.0987, 0.2821, 0.3040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 205, 226) }
```

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

```
.background{ background-color: rgb(182,  
205, 226) }
```

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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