

# Converting Colors

$Yxy(64.0130, 0.2809, 0.3183)$

Have a look what the booklet for  
Yxy(64.0130, 0.2809, 0.3183)  
contains.

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# Color

**Yxy(64.0130, 0.2809, 0.3183)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2D8E1
RGB	178, 216, 225
RGB Percent	70%, 85%, 88%
CMY	0.3023, 0.1528, 0.1177
CMYK	0.21, 0.04, 0.00, 0.12
HSL	191°, 44%, 79%
HSV	191°, 21%, 88%
XYZ	56.4915, 64.0130, 80.6045
YIQ	205.6640, -25.5370, -5.2570

# Conversions

## Conversions Part 2

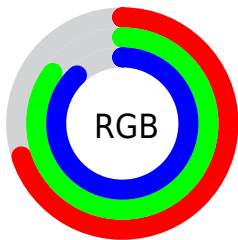
Format	Color
<a href="#">RYB</a>	<a href="#">178, 199, 225</a>
Decimal	<a href="#">11720929</a>
CIELab	<a href="#">83.97, -10.53, -8.56</a>
CIElCh	<a href="#">84, 13.566, 219.109</a>
Yxy	<a href="#">64.0130, 0.2809, 0.3183</a>
Android (android.graphics.Color)	<a href="#">4289911009 (0xFFB2D8E1)</a>
YUV	<a href="#">205.6640, 9.5326, -24.2613</a>
Hunter-Lab	<a href="#">80.0081, -13.9803, -3.7263</a>

# Details

The Yxy color **64.0130, 0.2809, 0.3183** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.7099, 0.3526, 0.3394**, and the grayscale version is **61.4381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **32.6771, 0.2727, 0.3147** is the 20% darker color. If you saturate the color by 10%, you get **59.4026, 0.2665, 0.3125**, and if you desaturate by 10%, it is **69.1223, 0.2959, 0.3237**.

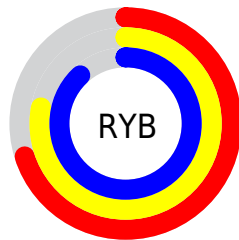
# Distribution



Red (70%)

Green (85%)

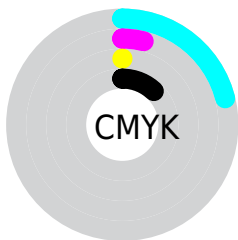
Blue (88%)



Red (70%)

Yellow (78%)

Blue (88%)

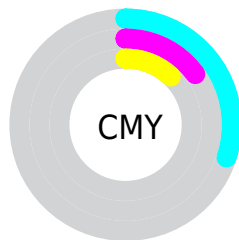


Cyan (21%)

Magenta (4%)

Yellow (0%)

Black (12%)



Cyan (30%)

Magenta (15%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0130, 0.2809, 0.3183 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 64.0130, 0.2809, 0.3183 by changing the saturation by 10% instead.



■ 64.0130, 0.2809,  
0.3183

■ 64.0130, 0.2809,  
0.3183

439.2366, 0.2958,  
0.3236

■ 46.6612, 0.2774,  
0.3170

■ 110.6297, 0.2861,  
0.3202

■ 32.7679, 0.2732,  
0.3154

140.6633, 0.2881,  
0.3209

■ 21.9487, 0.2677,  
0.3133

175.6930, 0.2899,  
0.3215

■ 13.8192, 0.2605,  
0.3104

216.1032, 0.2914,  
0.3220

■ 7.9950, 0.2505,  
0.3063

262.2783, 0.2927,  
0.3225

■ 4.0918, 0.2360,  
0.3000

314.6026, 0.2938,

■ 1.7250, 0.2128,

0.3229

0.2889

373.4606, 0.2949,  
0.3232

0.4398, 0.0957,  
0.2614

0.0000, 0.0000,  
0.0000

64.0130, 0.2809,  
0.3183

64.0130, 0.2809,  
0.3183

59.4026, 0.2665,  
0.3125

69.1223, 0.2959,  
0.3237

55.2615, 0.2531,  
0.3063

74.7430, 0.3113,  
0.3286

51.5690, 0.2410,  
0.2998

80.8965, 0.3267,  
0.3330

48.2992, 0.2305,  
0.2930

85.0682, 0.3330,  
0.3372

45.4236, 0.2218,  
0.2861

87.5266, 0.3325,  
0.3414

42.9092, 0.2151,  
0.2791

90.0444, 0.3319,  
0.3455

40.7172, 0.2102,  
0.2722

92.6219, 0.3314,  
0.3497

38.9463, 0.2072,  
0.2660

95.2596, 0.3309,  
0.3537

97.9579, 0.3304,  
0.3578

# Harmonies

## Analogous

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



64.0130, 0.2887, 0.3339



64.0130, 0.2809, 0.3183



64.0130, 0.2813, 0.3062

# Triad

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



64.0130, 0.2809, 0.3183



64.0130, 0.3220, 0.3106



64.0130, 0.3355, 0.3584

# Complementary

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



64.0130, 0.2809, 0.3183



54.7099, 0.3526, 0.3394

# 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.



64.0130, 0.3450, 0.3510



64.0130, 0.2809, 0.3183



64.0130, 0.3371, 0.3236

# Square

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



64.0130, 0.2809, 0.3183



64.0130, 0.3047, 0.3022



64.0130, 0.3456, 0.3382



64.0130, 0.3201, 0.3576



# Rectangle

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



64.0130, 0.2809, 0.3183



64.0130, 0.2862, 0.3016



64.0130, 0.3456, 0.3382



64.0130, 0.3395, 0.3567

# Sweetspot

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



64.0156, 0.2809, 0.3183



95.3674, 0.3034, 0.3261



66.8695, 0.3046, 0.3759



20.3079, 0.3024, 0.3258



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

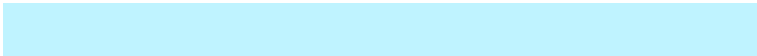


# Same Dimension

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



64.0156, 0.2809, 0.3183



82.3443, 0.2747, 0.3159



52.9546, 0.2790, 0.2899



15.1053, 0.2982, 0.3244



22.6082, 0.2075, 0.2670



1.6827, 0.2105, 0.2776



# Inverse Universe

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



52.7745, 0.3223, 0.2866



65.0932, 0.3246, 0.2777



65.3524, 0.3473, 0.3653



13.8885, 0.3167, 0.3102



11.1904, 0.3756, 0.1843

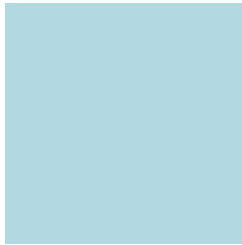


0.7873, 0.3657, 0.1788



# Previews

## White Background



This preview shows how the Yxy color 64.0130, 0.2809, 0.3183 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

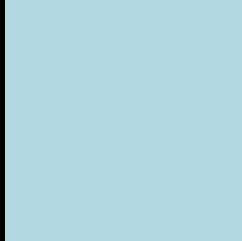
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.0130, 0.2809, 0.3183 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

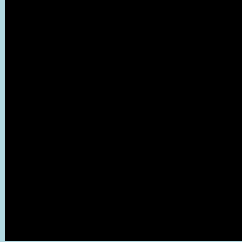
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

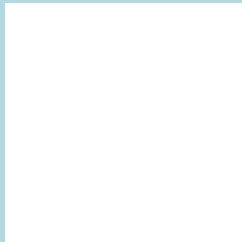
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.0130, 0.2809, 0.3183**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.0130, 0.2809, 0.3183.

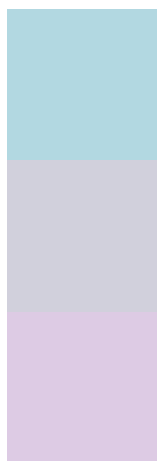


This preview shows how white text looks on a background with the Yxy color 64.0130, 0.2809, 0.3183.

# 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

64.0130, 0.2809, 0.3183

### Protanopia

63.8344, 0.3052, 0.3154

### Deuteranopia

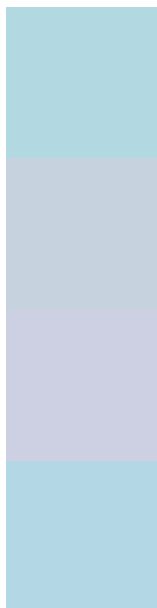
63.6855, 0.3087, 0.3017



## Tritanopia

64.0108, 0.2774, 0.3090

# Trichromacy



## Original Color

64.0130, 0.2809, 0.3183

## Protanomaly

63.8682, 0.2960, 0.3163

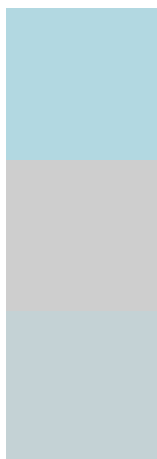
## Deuteranomaly

63.6369, 0.2977, 0.3075

## Tritanomaly

63.8417, 0.2791, 0.3125

# Monochromacy



## Original Color

64.0130, 0.2809, 0.3183

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

62.6330, 0.3005, 0.3255

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.0130, 0.2809, 0.3183 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(178, 216, 225)` looks like.

```
.text, #text, p{  
    color:rgb(178, 216, 225)  
}
```

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(178, 216, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 216, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 64.0130, 0.2809, 0.3183 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(178, 216, 225) }
```

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

```
.border{ border-color:rgb(178, 216, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 216, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 216, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 216, 225);  
box-shadow:4px 4px 4px 4px rgb(178, 216,  
225) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.0130, 0.2809, 0.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 216, 225) }
```

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

```
.background{ background-color: rgb(178,  
216, 225) }
```

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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