

# Converting Colors

Yxy(63.6596, 0.2808, 0.3153)

Have a look what the booklet for  
Yxy(63.6596, 0.2808, 0.3153)  
contains.

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# Color

**Yxy(63.6756, 0.2809, 0.3159)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3D7E2
RGB	179, 215, 226
RGB Percent	70%, 84%, 89%
CMY	0.2980, 0.1569, 0.1136
CMYK	0.21, 0.05, 0.00, 0.11
HSL	194°, 45%, 79%
HSV	194°, 21%, 89%
XYZ	56.6207, 63.6756, 81.2726
YIQ	205.4900, -24.9870, -4.2110

# Conversions

## Conversions Part 2

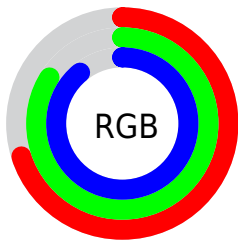
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	179, 199, 226
Decimal	11786210
CIE Lab	83.80, -9.45, -9.36
CIE LCh	84, 13.299, 224.730
Yxy	63.6756, 0.2809, 0.3159
Android (android.graphics.Color)	4289976290 (0xFFB3D7E2)
YUV	205.4900, 10.1114, -23.2317
Hunter-Lab	79.7970, -12.9884, -4.5285

# Details

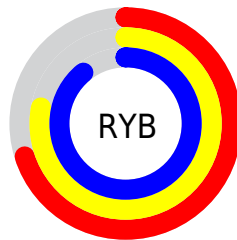
The Yxy color **63.6756, 0.2809, 0.3159** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.2639, 0.3518, 0.3417**, and the grayscale version is **61.3273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **32.4419, 0.2726, 0.3116** is the 20% darker color. If you saturate the color by 10%, you get **58.5477, 0.2662, 0.3087**, and if you desaturate by 10%, it is **69.3374, 0.2961, 0.3225**.

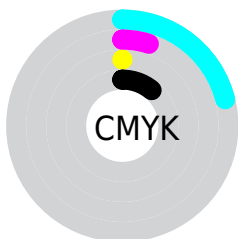
# Distribution



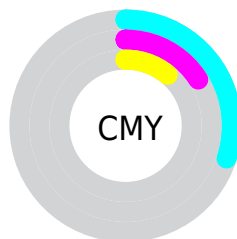
- Red (70%)
- Green (84%)
- Blue (89%)



- Red (70%)
- Yellow (78%)
- Blue (89%)



- Cyan (21%)
- Magenta (5%)
- Yellow (0%)
- Black (11%)



- Cyan (30%)
- Magenta (16%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6756, 0.2809, 0.3159 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 63.6756, 0.2809, 0.3159 by changing the saturation by 10% instead.



■ 63.6756, 0.2809,  
0.3159

■ 63.6756, 0.2809,  
0.3159

438.0172, 0.2958,  
0.3223

■ 46.3880, 0.2774,  
0.3144

■ 110.1436, 0.2861,  
0.3182

■ 32.5521, 0.2731,  
0.3124

140.0928, 0.2881,  
0.3190

■ 21.7835, 0.2677,  
0.3099

175.0313, 0.2899,  
0.3198

■ 13.6979, 0.2604,  
0.3065

215.3435, 0.2914,  
0.3204

■ 7.9109, 0.2505,  
0.3016

261.4138, 0.2927,  
0.3210

■ 4.0380, 0.2359,  
0.2941

313.6266, 0.2939,

■ 1.6948, 0.2126,

0.3215

0.2813

372.3663, 0.2949,  
0.3219

0.4203, 0.0988,  
0.2460

0.0000, 0.0000,  
0.0000

63.6756, 0.2809,  
0.3159

63.6756, 0.2809,  
0.3159

58.5477, 0.2662,  
0.3087

69.3374, 0.2961,  
0.3225

53.9237, 0.2524,  
0.3010

75.5462, 0.3115,  
0.3285

49.7821, 0.2398,  
0.2929

82.3242, 0.3268,  
0.3340

46.0964, 0.2287,  
0.2844

86.8532, 0.3320,  
0.3391

■ 42.8373, 0.2193,  
0.2758

■ 89.9524, 0.3313,  
0.3443

■ 39.9714, 0.2119,  
0.2670

■ 93.1427, 0.3307,  
0.3494

■ 37.4587, 0.2065,  
0.2583

■ 96.4251, 0.3301,  
0.3544

■ 35.3981, 0.2029,  
0.2504

■ 98.2722, 0.3297,  
0.3572

# Harmonies

## Analogous

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



63.6756, 0.2871, 0.3309



63.6756, 0.2809, 0.3159



63.6756, 0.2829, 0.3050

# Triad

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



63.6756, 0.2809, 0.3159



63.6756, 0.3249, 0.3130



63.6756, 0.3326, 0.3583

# Complementary

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



63.6756, 0.2809, 0.3159



56.2639, 0.3518, 0.3417

# 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.



63.6756, 0.3433, 0.3525



63.6756, 0.2809, 0.3159



63.6756, 0.3389, 0.3264

# Square

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



63.6756, 0.2809, 0.3159



63.6756, 0.3080, 0.3038



63.6756, 0.3456, 0.3407



63.6756, 0.3168, 0.3560



# Rectangle

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



63.6756, 0.2809, 0.3159



63.6756, 0.2886, 0.3014



63.6756, 0.3456, 0.3407



63.6756, 0.3369, 0.3572

# Sweetspot

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



63.6782, 0.2809, 0.3159



94.9462, 0.3034, 0.3255



67.7052, 0.3032, 0.3727



20.2081, 0.3024, 0.3251



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

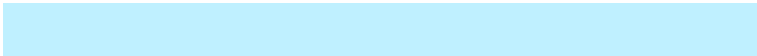


# Same Dimension

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



63.6782, 0.2809, 0.3159



80.6837, 0.2744, 0.3128



52.5745, 0.2790, 0.2872



14.9992, 0.2982, 0.3234



20.3805, 0.2033, 0.2518



1.5462, 0.2070, 0.2650



# Inverse Universe

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



53.3202, 0.3239, 0.2890



64.9255, 0.3267, 0.2803



67.2592, 0.3466, 0.3676



13.8778, 0.3173, 0.3112



10.9655, 0.3905, 0.1925

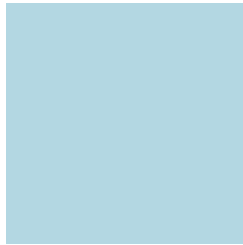


0.7735, 0.3775, 0.1853



# Previews

## White Background



This preview shows how the Yxy color 63.6756, 0.2809, 0.3159 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

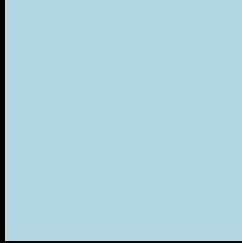
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.6756, 0.2809, 0.3159 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

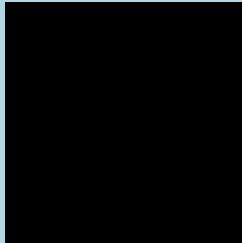
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

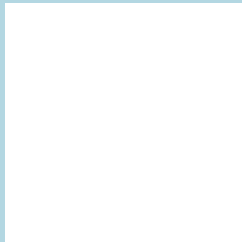
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.6756, 0.2809, 0.3159**

## Background



This preview shows how black text looks on a background with the Yxy color 63.6756, 0.2809, 0.3159.

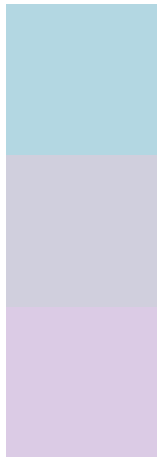


This preview shows how white text looks on a background with the Yxy color 63.6756, 0.2809, 0.3159.

# 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

63.6756, 0.2809, 0.3159

### Protanopia

63.2560, 0.3038, 0.3131

### Deuteranopia

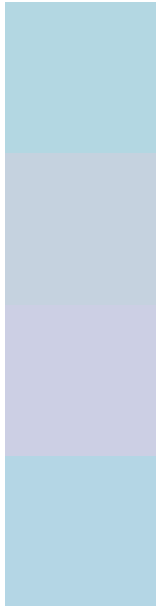
63.4291, 0.3065, 0.3005



## Tritanopia

63.5660, 0.2785, 0.3090

# Trichromacy



**Original Color**

63.6756, 0.2809, 0.3159

**Protanomaly**

63.2912, 0.2946, 0.3140

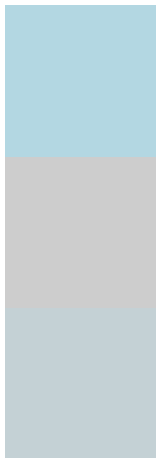
**Deuteranomaly**

63.0645, 0.2963, 0.3052

**Tritanomaly**

63.4536, 0.2797, 0.3113

# Monochromacy



**Original Color**

63.6756, 0.2809, 0.3159

**Achromatopsia**

61.0496, 0.3127, 0.3290

**Achromatomaly**

62.1408, 0.3005, 0.3243

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.6756, 0.2809, 0.3159 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(179, 215, 226)` looks like.

```
.text, #text, p{  
    color:rgb(179, 215, 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(179, 215, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 215, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 63.6756, 0.2809, 0.3159 is called "border". The border property can be set on classes, ids or directly on the HTML element.

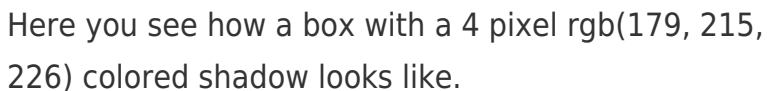
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(179, 215, 226) }
```

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

```
.border{ border-color:rgb(179, 215, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(179, 215, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 215, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 215, 226); box-shadow:4px 4px 4px 4px rgb(179, 215, 226) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.6756, 0.2809, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 215, 226) }
```

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

```
.background{ background-color: rgb(179,  
215, 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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