

# Converting Colors

$Yxy(60.8163, 0.2820, 0.3145)$

Have a look what the booklet for  
Yxy(60.8163, 0.2820, 0.3145)  
contains.

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# Color

**Yxy(60.8321, 0.2823, 0.3145)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B2D2DE
RGB	178, 210, 222
RGB Percent	70%, 82%, 87%
CMY	0.3017, 0.1765, 0.1293
CMYK	0.20, 0.05, 0.00, 0.13
HSL	196°, 40%, 78%
HSV	196°, 20%, 87%
XYZ	54.6038, 60.8321, 77.9889
YIQ	201.8000, -22.9240, -3.0520

# Conversions

## Conversions Part 2

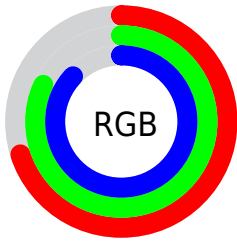
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 197, 222
Decimal	11719390
CIELab	82.29, -8.00, -9.48
CIELCh	82, 12.409, 229.836
Yxy	60.8321, 0.2823, 0.3145
Android (android.graphics.Color)	4289909470 (0xFFB2D2DE)
YUV	201.8000, 9.9586, -20.8726
Hunter-Lab	77.9949, -11.5243, -4.6889

# Details

The Yxy color **60.8321, 0.2823, 0.3145** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.6196, 0.3492, 0.3431**, and the grayscale version is **58.8872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **30.9269, 0.2750, 0.3113** is the 20% darker color. If you saturate the color by 10%, you get **55.4714, 0.2674, 0.3061**, and if you desaturate by 10%, it is **66.7370, 0.2976, 0.3222**.

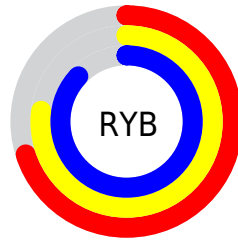
# Distribution



Red (70%)

Green (82%)

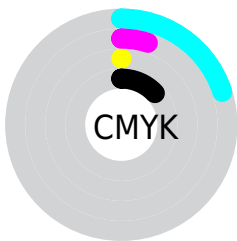
Blue (87%)



Red (70%)

Yellow (77%)

Blue (87%)

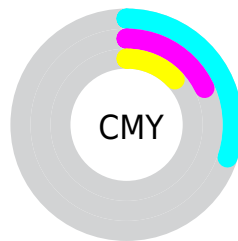


Cyan (20%)

Magenta (5%)

Yellow (0%)

Black (13%)



Cyan (30%)

Magenta (18%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.8321, 0.2823, 0.3145 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 60.8321, 0.2823, 0.3145 by changing the saturation by 10% instead.



■ 60.8321, 0.2823,  
0.3145

■ 60.8321, 0.2823,  
0.3145

427.6581, 0.2967,  
0.3216

■ 44.0897, 0.2789,  
0.3128

■ 106.0358, 0.2874,  
0.3170

■ 30.7410, 0.2747,  
0.3106

135.2659, 0.2893,  
0.3180

■ 20.4017, 0.2693,  
0.3078

169.4273, 0.2910,  
0.3188

■ 12.6874, 0.2622,  
0.3040

208.9044, 0.2924,  
0.3195

■ 7.2136, 0.2522,  
0.2985

254.0816, 0.2937,  
0.3201

■ 3.5961, 0.2375,  
0.2901

305.3434, 0.2948,

■ 1.4503, 0.2135,

0.3207

0.2754

363.0741, 0.2958,  
0.3211

0.2533, 0.0367,  
0.2047

0.0000, 0.0000,  
0.0000

60.8321, 0.2823,  
0.3145

60.8321, 0.2823,  
0.3145

55.4714, 0.2674,  
0.3061

66.7370, 0.2976,  
0.3222

50.6256, 0.2531,  
0.2971

73.1987, 0.3130,  
0.3291

46.2740, 0.2399,  
0.2876

80.2390, 0.3283,  
0.3354

42.3910, 0.2281,  
0.2776

85.5547, 0.3348,  
0.3413

■ 38.9483, 0.2179,  
0.2674

■ 89.0819, 0.3340,  
0.3472

■ 35.9139, 0.2097,  
0.2570

■ 92.7290, 0.3332,  
0.3530

■ 33.2499, 0.2035,  
0.2467

■ 96.4973, 0.3324,  
0.3588

■ 30.8920, 0.1991,  
0.2365

■ 98.0554, 0.3321,  
0.3611

■ 30.8473, 0.1990,  
0.2363

# Harmonies

## Analogous

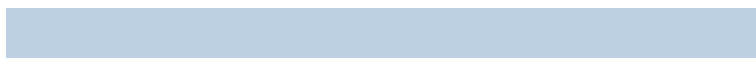
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.8321, 0.2869, 0.3283



60.8321, 0.2823, 0.3145



60.8321, 0.2855, 0.3051

# Triad

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



60.8321, 0.2823, 0.3145



60.8321, 0.3269, 0.3158



60.8321, 0.3293, 0.3570

# Complementary

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



60.8321, 0.2823, 0.3145



55.6196, 0.3492, 0.3431

# 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.



60.8321, 0.3405, 0.3527



60.8321, 0.2823, 0.3145



60.8321, 0.3391, 0.3289

# Square

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



60.8321, 0.2823, 0.3145



60.8321, 0.3110, 0.3062



60.8321, 0.3441, 0.3423



60.8321, 0.3138, 0.3534



# Rectangle

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



60.8321, 0.2823, 0.3145



60.8321, 0.2918, 0.3024



60.8321, 0.3441, 0.3423



60.8321, 0.3337, 0.3564

# Sweetspot

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



60.8346, 0.2823, 0.3145



94.5690, 0.3034, 0.3249



65.4369, 0.3028, 0.3685



20.1188, 0.3024, 0.3244



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

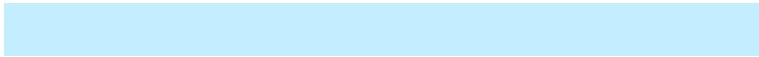


# Same Dimension

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



60.8346, 0.2823, 0.3145



79.9537, 0.2757, 0.3109



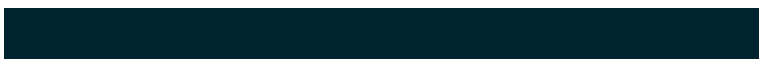
50.8497, 0.2806, 0.2876



14.9045, 0.2982, 0.3224



18.5121, 0.1994, 0.2378



1.4301, 0.2038, 0.2536



# Inverse Universe

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



52.0505, 0.3246, 0.2929



65.9420, 0.3278, 0.2846



65.7213, 0.3445, 0.3672



13.8682, 0.3179, 0.3121



10.7768, 0.4045, 0.2002

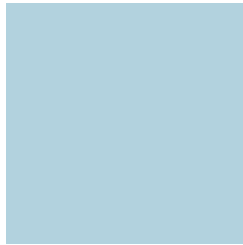


0.7618, 0.3887, 0.1915



# Previews

## White Background



This preview shows how the Yxy color 60.8321, 0.2823, 0.3145 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

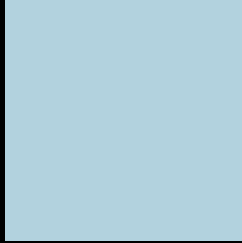
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.8321, 0.2823, 0.3145 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

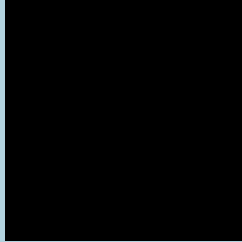
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

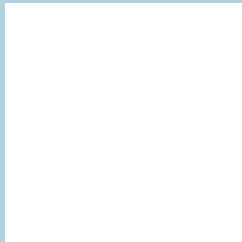
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.8321, 0.2823, 0.3145**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.8321, 0.2823, 0.3145.

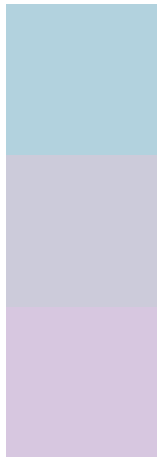


This preview shows how white text looks on a background with the Yxy color 60.8321, 0.2823, 0.3145.

# 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

60.8321, 0.2823, 0.3145

### Protanopia

60.6112, 0.3030, 0.3117

### Deuteranopia

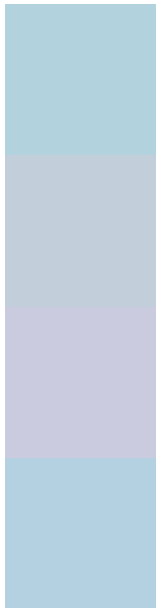
60.6757, 0.3071, 0.3010



## Tritanopia

60.6756, 0.2804, 0.3087

# Trichromacy



## Original Color

60.8321, 0.2823, 0.3145

## Protanomaly

60.8592, 0.2957, 0.3138

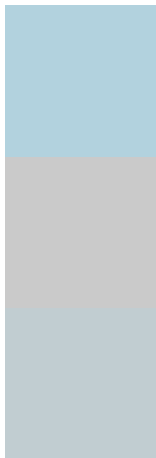
## Deuteranomaly

60.5961, 0.2981, 0.3060

## Tritanomaly

60.6209, 0.2810, 0.3099

# Monochromacy



## Original Color

60.8321, 0.2823, 0.3145

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

59.6035, 0.3010, 0.3242

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.8321, 0.2823, 0.3145 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, 210, 222)` looks like.

```
.text, #text, p{  
    color:rgb(178, 210, 222)  
}
```

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, 210, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 210, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 60.8321, 0.2823, 0.3145 is called "border". The border property can be set on classes, ids or directly on the HTML element.

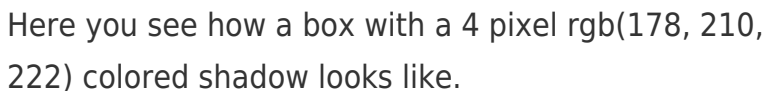
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 210, 222) }
```

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

```
.border{ border-color:rgb(178, 210, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 210, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 210, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 210, 222); box-shadow:4px 4px 4px 4px rgb(178, 210, 222) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.8321, 0.2823, 0.3145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 210, 222) }
```

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

```
.background{ background-color: rgb(178,  
210, 222) }
```

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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