

# Converting Colors

$Yxy(60.7133, 0.2784, 0.3091)$

Have a look what the booklet for  
Yxy(60.7133, 0.2784, 0.3091)  
contains.

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# Color

**Yxy(60.8143, 0.2785, 0.3098)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0D2E2
RGB	176, 210, 226
RGB Percent	69%, 82%, 89%
CMY	0.3100, 0.1764, 0.1137
CMYK	0.22, 0.07, 0.00, 0.11
HSL	199°, 46%, 79%
HSV	199°, 22%, 89%
XYZ	54.6701, 60.8143, 80.8175
YIQ	201.6580, -25.4000, -2.2320

# Conversions

## Conversions Part 2

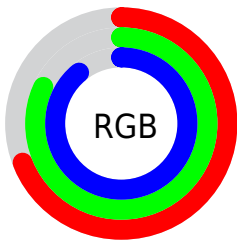
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 196, 226
Decimal	11588322
CIE <sub>Lab</sub>	82.28, -7.79, -11.64
CIE <sub>LCh</sub>	82, 14.006, 236.188
Yxy	60.8143, 0.2785, 0.3098
Android (android.graphics.Color)	4289778402 (0xFFB0D2E2)
YUV	201.6580, 12.0006, -22.5021
Hunter-Lab	77.9835, -11.3344, -6.8561

# Details

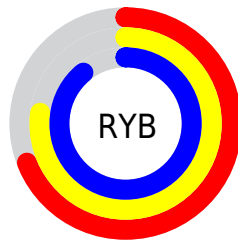
The Yxy color **60.8143, 0.2785, 0.3098** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.9766, 0.3539, 0.3474**, and the grayscale version is **58.7700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **30.9282, 0.2703, 0.3050** is the 20% darker color. If you saturate the color by 10%, you get **54.9129, 0.2634, 0.2998**, and if you desaturate by 10%, it is **67.3201, 0.2940, 0.3190**.

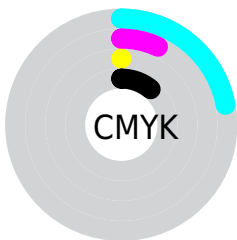
# Distribution



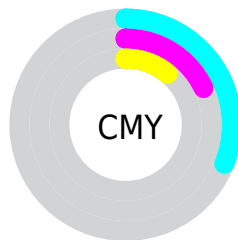
- Red (69%)
- Green (82%)
- Blue (89%)



- Red (69%)
- Yellow (77%)
- Blue (89%)



- Cyan (22%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)



- Cyan (31%)
- Magenta (18%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.8143, 0.2785, 0.3098 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 60.8143, 0.2785, 0.3098 by changing the saturation by 10% instead.



■ 60.8143, 0.2785,  
0.3098

■ 60.8143, 0.2785,  
0.3098

427.5928, 0.2947,  
0.3191

■ 44.0753, 0.2747,  
0.3076

■ 106.0100, 0.2842,  
0.3131

■ 30.7297, 0.2700,  
0.3047

135.2355, 0.2864,  
0.3144

■ 20.3931, 0.2640,  
0.3011

169.3920, 0.2882,  
0.3155

■ 12.6811, 0.2560,  
0.2961

208.8639, 0.2899,  
0.3164

■ 7.2093, 0.2450,  
0.2890

254.0355, 0.2913,  
0.3172

■ 3.5934, 0.2287,  
0.2782

305.2912, 0.2925,

■ 1.4488, 0.2025,

0.3179

0.2598

363.0155, 0.2937,  
0.3186

0.2523, 0.0355,  
0.1808

0.0000, 0.0000,  
0.0000

60.8143, 0.2785,  
0.3098

60.8143, 0.2785,  
0.3098

54.9129, 0.2634,  
0.2998

67.3201, 0.2940,  
0.3190

49.5847, 0.2489,  
0.2890

74.4452, 0.3094,  
0.3273

44.8065, 0.2354,  
0.2776

82.2129, 0.3246,  
0.3348

40.5501, 0.2233,  
0.2657

88.4267, 0.3316,  
0.3418

■ 36.7845, 0.2129,  
0.2535

■ 92.7374, 0.3308,  
0.3487

■ 33.4739, 0.2045,  
0.2412

■ 97.2189, 0.3299,  
0.3556

■ 30.5760, 0.1982,  
0.2290

■ 98.2718, 0.3297,  
0.3572

■ 28.5383, 0.1944,  
0.2196

# Harmonies

## Analogous

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



60.8143, 0.2819, 0.3246



60.8143, 0.2785, 0.3098



60.8143, 0.2840, 0.3007

# Triad

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



60.8143, 0.2785, 0.3098



60.8143, 0.3321, 0.3170



60.8143, 0.3279, 0.3605

# Complementary

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



60.8143, 0.2785, 0.3098



56.9766, 0.3539, 0.3474

# 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.



60.8143, 0.3420, 0.3574



60.8143, 0.2785, 0.3098



60.8143, 0.3445, 0.3321

# Square

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



60.8143, 0.2785, 0.3098



60.8143, 0.3146, 0.3052



60.8143, 0.3482, 0.3468



60.8143, 0.3101, 0.3547



# Rectangle

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



60.8143, 0.2785, 0.3098



60.8143, 0.2920, 0.2988



60.8143, 0.3482, 0.3468



60.8143, 0.3332, 0.3605

# Sweetspot

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



60.8168, 0.2785, 0.3098



93.1855, 0.3019, 0.3234



67.4207, 0.3001, 0.3707



19.8239, 0.3009, 0.3228



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

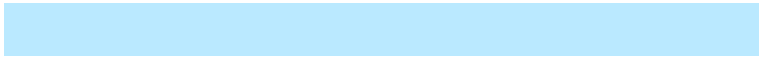


# Same Dimension

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



60.8168, 0.2785, 0.3098



75.9574, 0.2708, 0.3049



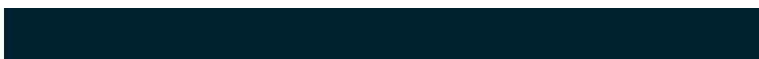
49.4648, 0.2762, 0.2789



14.7952, 0.2982, 0.3213



16.5019, 0.1949, 0.2215



1.3032, 0.2000, 0.2401



# Inverse Universe

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



51.8535, 0.3282, 0.2909



62.3244, 0.3326, 0.2819



68.8437, 0.3481, 0.3746



13.8572, 0.3186, 0.3132



10.5739, 0.4216, 0.2096

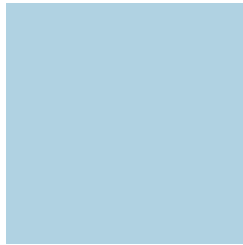


0.7490, 0.4022, 0.1990



# Previews

## White Background



This preview shows how the Yxy color 60.8143, 0.2785, 0.3098 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

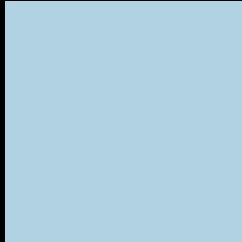
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.8143, 0.2785, 0.3098 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

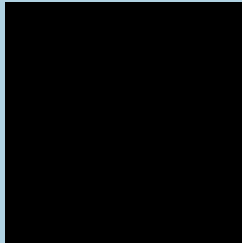
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.8143, 0.2785, 0.3098**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.8143, 0.2785, 0.3098.

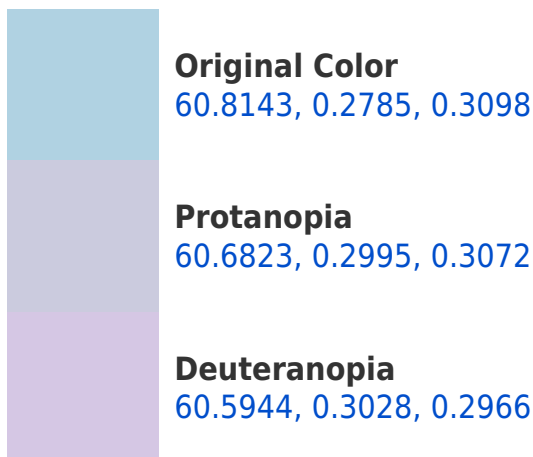


This preview shows how white text looks on a background with the Yxy color 60.8143, 0.2785, 0.3098.

# 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





## Tritanopia

60.8693, 0.2779, 0.3086

# Trichromacy



## Original Color

60.8143, 0.2785, 0.3098

## Protanomaly

60.8078, 0.2917, 0.3091

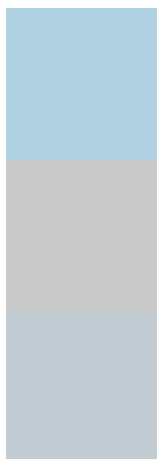
## Deuteranomaly

60.5373, 0.2940, 0.3014

## Tritanomaly

60.8693, 0.2779, 0.3086

# Monochromacy



## Original Color

60.8143, 0.2785, 0.3098

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

59.7032, 0.2996, 0.3218

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.8143, 0.2785, 0.3098 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(176, 210, 226)` looks like.

```
.text, #text, p{  
    color:rgb(176, 210, 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(176, 210, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 210, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 60.8143, 0.2785, 0.3098 is called "border". The border property can be set on classes, ids or directly on the HTML element.

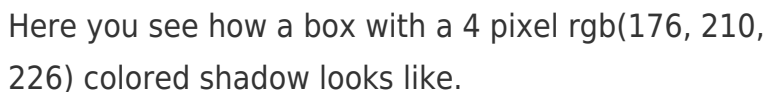
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 210, 226) }
```

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

```
.border{ border-color:rgb(176, 210, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 210, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 210, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 210, 226); box-shadow:4px 4px 4px 4px rgb(176, 210, 226) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.8143, 0.2785, 0.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 210, 226) }
```

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

```
.background{ background-color: rgb(176,  
210, 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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