

# Converting Colors

Yxy(65.5448, 0.2760, 0.3131)

Have a look what the booklet for  
Yxy(65.5448, 0.2760, 0.3131)  
contains.

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# Color

**Yxy(65.7193, 0.2759, 0.3137)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0DBE8
RGB	176, 219, 232
RGB Percent	69%, 86%, 91%
CMY	0.3098, 0.1412, 0.0902
CMYK	0.24, 0.06, 0.00, 0.09
HSL	194°, 55%, 80%
HSV	194°, 24%, 91%
XYZ	57.8003, 65.7193, 85.9777
YIQ	207.6250, -29.8010, -5.0730

# Conversions

## Conversions Part 2

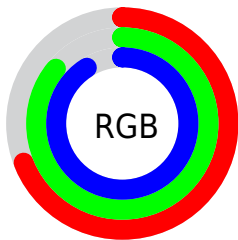
Format	Color
<b>RYB</b>	176, 200, 232
Decimal	11590632
CIELab	84.85, -11.10, -10.97
CIELCh	85, 15.609, 224.671
Yxy	65.7193, 0.2759, 0.3137
Android (android.graphics.Color)	4289780712 (0xFFB0DBE8)
YUV	207.6250, 12.0169, -27.7351
Hunter-Lab	81.0674, -14.5992, -6.1340

# Details

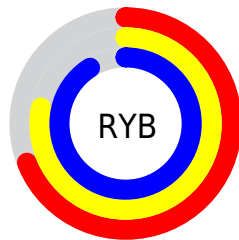
The Yxy color **65.7193, 0.2759, 0.3137** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.6802, 0.3597, 0.3438**, and the grayscale version is **62.7576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **33.8231, 0.2673, 0.3102** is the 20% darker color. If you saturate the color by 10%, you get **60.4818, 0.2615, 0.3064**, and if you desaturate by 10%, it is **71.5150, 0.2910, 0.3205**.

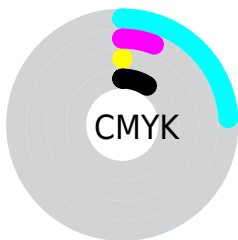
# Distribution



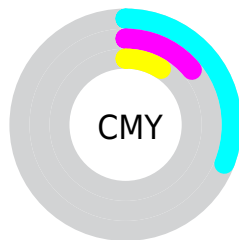
- Red (69%)
- Green (86%)
- Blue (91%)



- Red (69%)
- Yellow (78%)
- Blue (91%)



- Cyan (24%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)



- Cyan (31%)
- Magenta (14%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.7193, 0.2759, 0.3137 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 65.7193, 0.2759, 0.3137 by changing the saturation by 10% instead.



■ 65.7193, 0.2759,  
0.3137

■ 65.7193, 0.2759,  
0.3137

445.3723, 0.2930,  
0.3211

■ 48.0446, 0.2720,  
0.3119

■ 113.0834, 0.2819,  
0.3163

■ 33.8622, 0.2671,  
0.3097

143.5415, 0.2842,  
0.3174

■ 22.7877, 0.2609,  
0.3068

179.0295, 0.2862,  
0.3182

■ 14.4369, 0.2528,  
0.3028

219.9319, 0.2879,  
0.3190

■ 8.4251, 0.2417,  
0.2972

266.6329, 0.2894,  
0.3196

■ 4.3682, 0.2258,  
0.2888

319.5171, 0.2908,

■ 1.8816, 0.2009,

0.3202

0.2745

378.9688, 0.2920,  
0.3207

0.5373, 0.1098,  
0.2461

0.0000, 0.0000,  
0.0000

65.7193, 0.2759,  
0.3137

65.7193, 0.2759,  
0.3137

60.4818, 0.2615,  
0.3064

71.5150, 0.2910,  
0.3205

55.7702, 0.2480,  
0.2986

77.8837, 0.3063,  
0.3266

51.5608, 0.2359,  
0.2904

84.8491, 0.3218,  
0.3322

47.8244, 0.2254,  
0.2820

89.7199, 0.3276,  
0.3374

■ 44.5286, 0.2167,  
0.2733

■ 92.9451, 0.3271,  
0.3426

■ 41.6356, 0.2100,  
0.2647

■ 96.2651, 0.3266,  
0.3478

■ 39.0998, 0.2052,  
0.2561

■ 98.6059, 0.3262,  
0.3513

■ 37.7376, 0.2031,  
0.2511

# Harmonies

## Analogous

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



65.7193, 0.2831, 0.3312



65.7193, 0.2759, 0.3137



65.7193, 0.2782, 0.3012

# Triad

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



65.7193, 0.2759, 0.3137



65.7193, 0.3268, 0.3105



65.7193, 0.3358, 0.3631

# Complementary

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



65.7193, 0.2759, 0.3137



56.6802, 0.3597, 0.3438

# 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.



65.7193, 0.3483, 0.3562



65.7193, 0.2759, 0.3137



65.7193, 0.3431, 0.3258

# Square

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



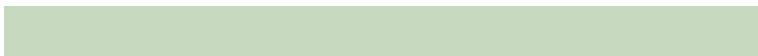
65.7193, 0.2759, 0.3137



65.7193, 0.3071, 0.2998



65.7193, 0.3510, 0.3424



65.7193, 0.3174, 0.3605



# Rectangle

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



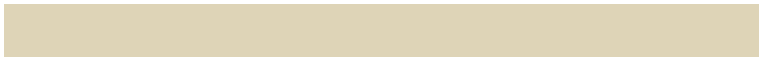
65.7193, 0.2759, 0.3137



65.7193, 0.2848, 0.2970



65.7193, 0.3510, 0.3424



65.7193, 0.3409, 0.3618

# Sweetspot

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



65.7220, 0.2759, 0.3137



94.1568, 0.3019, 0.3249



70.5770, 0.3023, 0.3820



20.0492, 0.3009, 0.3245



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

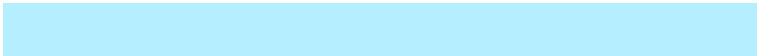


# Same Dimension

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



65.7220, 0.2759, 0.3137



78.1090, 0.2686, 0.3101



52.6962, 0.2731, 0.2806



15.7397, 0.2981, 0.3234



21.1522, 0.2035, 0.2525



1.7012, 0.2069, 0.2650



# Inverse Universe

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



53.3205, 0.3259, 0.2822



60.4921, 0.3293, 0.2722



69.4678, 0.3529, 0.3731



14.5550, 0.3173, 0.3111



11.3330, 0.3897, 0.1921

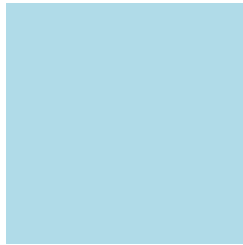


0.8514, 0.3776, 0.1854



# Previews

## White Background



This preview shows how the Yxy color 65.7193, 0.2759, 0.3137 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

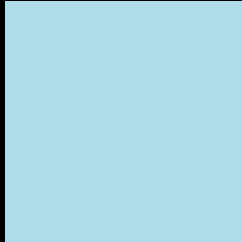
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.7193, 0.2759, 0.3137 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

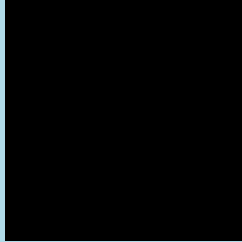
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.7193, 0.2759, 0.3137**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.7193, 0.2759, 0.3137.

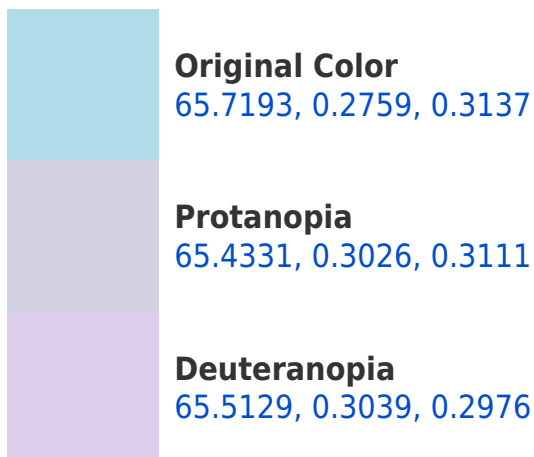


This preview shows how white text looks on a background with the Yxy color 65.7193, 0.2759, 0.3137.

# 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

65.5460, 0.2741, 0.3080

# Trichromacy



## Original Color

65.7193, 0.2759, 0.3137

## Protanomaly

65.1957, 0.2922, 0.3119

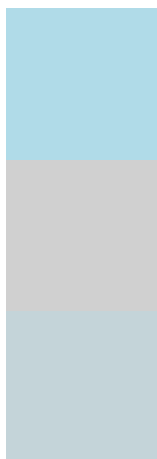
## Deuteranomaly

65.5082, 0.2932, 0.3033

## Tritanomaly

65.4881, 0.2747, 0.3091

# Monochromacy



## Original Color

65.7193, 0.2759, 0.3137

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.8325, 0.2978, 0.3232

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.7193, 0.2759, 0.3137 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, 219, 232)` looks like.

```
.text, #text, p{  
    color:rgb(176, 219, 232)  
}
```

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, 219, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 219, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 65.7193, 0.2759, 0.3137 is called "border". The border property can be set on classes, ids or directly on the HTML element.

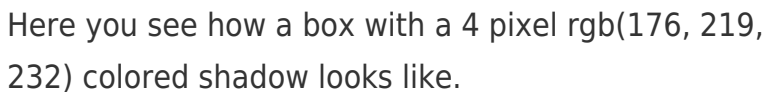
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 219, 232) }
```

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

```
.border{ border-color:rgb(176, 219, 232) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 219, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 219, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 219, 232);  
box-shadow:4px 4px 4px 4px rgb(176, 219,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.7193, 0.2759, 0.3137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 219, 232) }
```

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

```
.background{ background-color: rgb(176,  
219, 232) }
```

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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