

# Converting Colors

Yxy(67.4417, 0.2803, 0.3266)

Have a look what the booklet for  
Yxy(67.4417, 0.2803, 0.3266)  
contains.

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# Color

**Yxy(67.4417, 0.2803, 0.3266)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0DFE1
RGB	176, 223, 225
RGB Percent	69%, 87%, 88%
CMY	0.3097, 0.1255, 0.1178
CMYK	0.22, 0.01, 0.00, 0.12
HSL	182°, 45%, 79%
HSV	182°, 22%, 88%
XYZ	57.8809, 67.4417, 81.1737
YIQ	209.1750, -28.6540, -9.3420

# Conversions

## Conversions Part 2

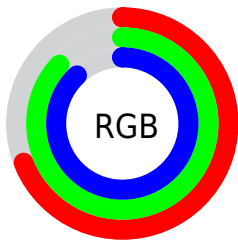
Format	Color
R <sub>Y</sub> B	176, 200, 225
Decimal	11591649
CIE Lab	85.73, -14.67, -5.96
CIE LCh	86, 15.832, 202.107
Yxy	67.4417, 0.2803, 0.3266
Android (android.graphics.Color)	4289781729 (0xFFB0DFE1)
YUV	209.1750, 7.8017, -29.0945
Hunter-Lab	82.1229, -17.9067, -1.1187

# Details

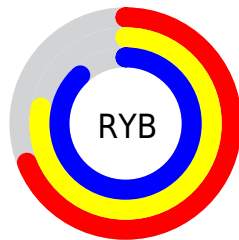
The Yxy color **67.4417, 0.2803, 0.3266** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.9674, 0.3563, 0.3314**, and the grayscale version is **63.8448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **35.0451, 0.2722, 0.3258** is the 20% darker color. If you saturate the color by 10%, you get **64.5558, 0.2670, 0.3254**, and if you desaturate by 10%, it is **70.7702, 0.2947, 0.3278**.

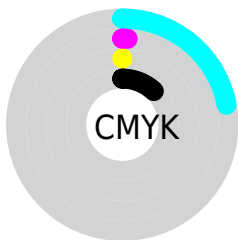
# Distribution



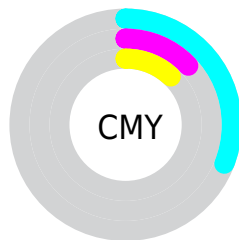
- Red (69%)
- Green (87%)
- Blue (88%)



- Red (69%)
- Yellow (78%)
- Blue (88%)



- Cyan (22%)
- Magenta (1%)
- Yellow (0%)
- Black (12%)



- Cyan (31%)
- Magenta (13%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.4417, 0.2803, 0.3266 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 67.4417, 0.2803, 0.3266 by changing the saturation by 10% instead.





 67.4417, 0.2803,  
0.3266

 67.4417, 0.2803,  
0.3266


451.5154, 0.2954,  
0.3279

 49.4437, 0.2768,  
0.3262

 115.5531, 0.2855,  
0.3271

 34.9716, 0.2726,  
0.3258


146.4352, 0.2876,  
0.3273

 23.6410, 0.2671,  
0.3252


182.3809, 0.2893,  
0.3274

 15.0675, 0.2600,  
0.3243

223.7744, 0.2909,  
0.3276

 8.8668, 0.2502,  
0.3229

271.0003, 0.2922,  
0.3277

 4.6544, 0.2361,  
0.3206

324.4428, 0.2934,

 2.0459, 0.2139,

0.3278

384.4863, 0.2944,  
0.3278

0.3163

0.6340, 0.1227,  
0.3182

0.0000, 0.0000,  
0.0000

67.4417, 0.2803,  
0.3266

67.4417, 0.2803,  
0.3266

64.5558, 0.2670,  
0.3254

70.7702, 0.2947,  
0.3278

62.0829, 0.2551,  
0.3241

74.5529, 0.3100,  
0.3288

60.0026, 0.2448,  
0.3228

78.8114, 0.3257,  
0.3298

58.2892, 0.2364,  
0.3214

81.4165, 0.3338,  
0.3307

■ 56.9143, 0.2298,  
0.3201

■ 81.9089, 0.3337,  
0.3316

■ 55.8451, 0.2253,  
0.3187

■ 82.4040, 0.3336,  
0.3325

■ 55.0425, 0.2225,  
0.3174

■ 82.9015, 0.3335,  
0.3334

■ 54.5277, 0.2212,  
0.3163

■ 83.4017, 0.3334,  
0.3343

■ 83.9045, 0.3333,  
0.3352

# Harmonies

## Analogous

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



67.4417, 0.2937, 0.3447



67.4417, 0.2803, 0.3266



67.4417, 0.2754, 0.3099

# Triad

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



67.4417, 0.2803, 0.3266



67.4417, 0.3120, 0.3017



67.4417, 0.3462, 0.3588

# Complementary

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



67.4417, 0.2803, 0.3266



50.9674, 0.3563, 0.3314

# 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.



67.4417, 0.3516, 0.3463



67.4417, 0.2803, 0.3266



67.4417, 0.3315, 0.3139

# Square

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



67.4417, 0.2803, 0.3266



67.4417, 0.2932, 0.2963



67.4417, 0.3462, 0.3300



67.4417, 0.3317, 0.3636



# Rectangle

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



67.4417, 0.2803, 0.3266



67.4417, 0.2774, 0.3018



67.4417, 0.3462, 0.3300



67.4417, 0.3491, 0.3554

# Sweetspot

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



67.4445, 0.2803, 0.3266



96.3156, 0.3018, 0.3283



66.2628, 0.3089, 0.3874



20.5506, 0.3009, 0.3282



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.



67.4445, 0.2803, 0.3266



87.8400, 0.2743, 0.3261



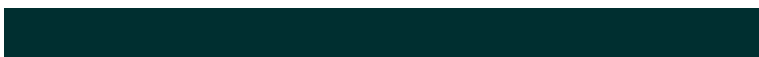
55.4479, 0.2782, 0.2973



15.4734, 0.2982, 0.3280



31.4757, 0.2213, 0.3165



2.2114, 0.2218, 0.3185



# Inverse Universe

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



52.3867, 0.3168, 0.2771



64.5766, 0.3177, 0.2664



61.4349, 0.3505, 0.3588



13.9257, 0.3144, 0.3068



12.0855, 0.3311, 0.1598

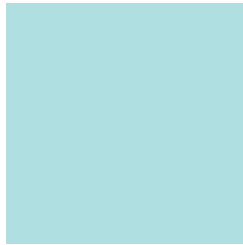


0.8407, 0.3294, 0.1588



# Previews

## White Background



This preview shows how the Yxy color 67.4417, 0.2803, 0.3266 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

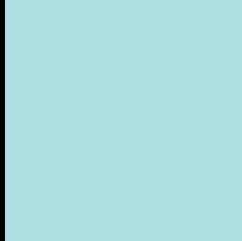
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.4417, 0.2803, 0.3266 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

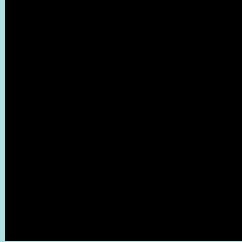
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

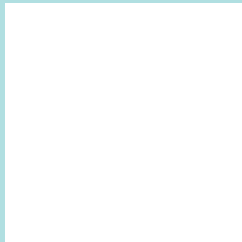
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.4417, 0.2803, 0.3266**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.4417, 0.2803, 0.3266.

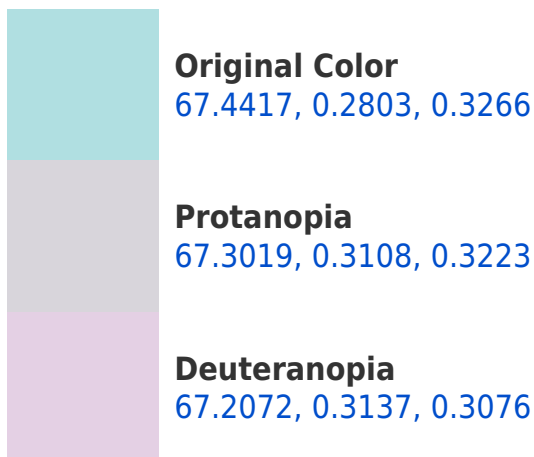


This preview shows how white text looks on a background with the Yxy color 67.4417, 0.2803, 0.3266.

# 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

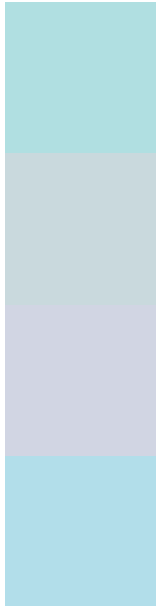




## Tritanopia

67.5286, 0.2740, 0.3082

# Trichromacy



## Original Color

67.4417, 0.2803, 0.3266

## Protanomaly

67.2637, 0.2988, 0.3244

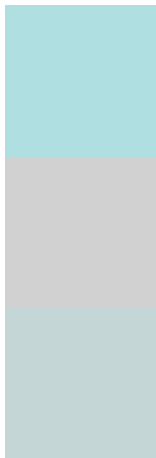
## Deuteranomaly

66.6899, 0.3005, 0.3134

## Tritanomaly

67.6480, 0.2763, 0.3150

# Monochromacy



## Original Color

67.4417, 0.2803, 0.3266

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

64.8697, 0.2999, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.4417, 0.2803, 0.3266 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, 223, 225)` looks like.

```
.text, #text, p{  
    color:rgb(176, 223, 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(176, 223, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 223, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 67.4417, 0.2803, 0.3266 is called "border". The border property can be set on classes, ids or directly on the HTML element.

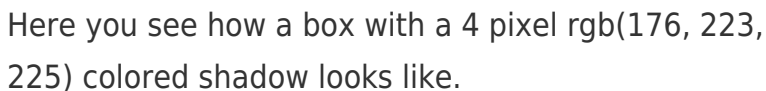
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 223, 225) }
```

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

```
.border{ border-color:rgb(176, 223, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 223, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 223, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 223, 225); box-shadow:4px 4px 4px 4px rgb(176, 223, 225) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.4417, 0.2803, 0.3266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 223, 225) }
```

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

```
.background{ background-color: rgb(176,  
223, 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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