

# Converting Colors

$Yxy(66.9889, 0.2792, 0.3180)$

Have a look what the booklet for  
Yxy(66.9889, 0.2792, 0.3180)  
contains.

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# Color

**Yxy(67.0098, 0.2791, 0.3184)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3DDE6
RGB	179, 221, 230
RGB Percent	70%, 87%, 90%
CMY	0.2979, 0.1334, 0.0980
CMYK	0.22, 0.04, 0.00, 0.10
HSL	191°, 50%, 80%
HSV	191°, 22%, 90%
XYZ	58.7388, 67.0098, 84.7093
YIQ	209.4680, -27.9210, -6.1050

# Conversions

## Conversions Part 2

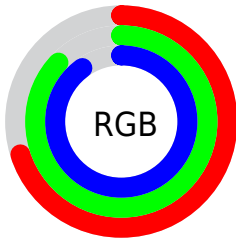
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	179, 202, 230
Decimal	11787750
CIE Lab	85.51, -11.65, -8.93
CIE LCh	86, 14.676, 217.476
Yxy	67.0098, 0.2791, 0.3184
Android (android.graphics.Color)	4289977830 (0xFFB3DDE6)
YUV	209.4680, 10.1223, -26.7204
Hunter-Lab	81.8595, -15.1704, -4.0524

# Details

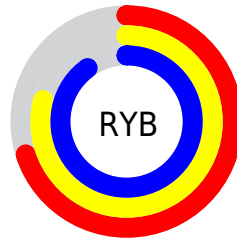
The Yxy color **67.0098, 0.2791, 0.3184** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.0769, 0.3557, 0.3393**, and the grayscale version is **64.0356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **34.7276, 0.2706, 0.3150** is the 20% darker color. If you saturate the color by 10%, you get **62.3722, 0.2649, 0.3130**, and if you desaturate by 10%, it is **72.1622, 0.2940, 0.3234**.

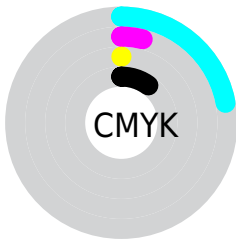
# Distribution



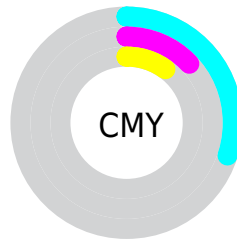
- Red (70%)
- Green (87%)
- Blue (90%)



- Red (70%)
- Yellow (79%)
- Blue (90%)



- Cyan (22%)
- Magenta (4%)
- Yellow (0%)
- Black (10%)



- Cyan (30%)
- Magenta (13%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.0098, 0.2791, 0.3184 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 67.0098, 0.2791, 0.3184 by changing the saturation by 10% instead.



67.0098, 0.2791,  
0.3184

67.0098, 0.2791,  
0.3184

449.9797, 0.2947,  
0.3236

49.0926, 0.2755,  
0.3171

114.9345, 0.2845,  
0.3203

34.6929, 0.2711,  
0.3156

145.7107, 0.2866,  
0.3210

23.4264, 0.2655,  
0.3135

181.5421, 0.2885,  
0.3216

14.9087, 0.2581,  
0.3107

222.8129, 0.2900,  
0.3221

8.7553, 0.2480,  
0.3067

269.9078, 0.2914,  
0.3225

4.5819, 0.2335,  
0.3007

323.2109, 0.2926,

2.0041, 0.2108,

0.3229

0.2903

383.1067, 0.2937,  
0.3233

0.6099, 0.1324,  
0.2733

0.0000, 0.0000,  
0.0000

67.0098, 0.2791,  
0.3184

67.0098, 0.2791,  
0.3184

62.3722, 0.2649,  
0.3130

72.1622, 0.2940,  
0.3234

58.2181, 0.2518,  
0.3072

77.8425, 0.3094,  
0.3281

54.5253, 0.2400,  
0.3011

84.0737, 0.3249,  
0.3322

51.2665, 0.2299,  
0.2948

87.7019, 0.3292,  
0.3362

■ 48.4109, 0.2216,  
0.2884

■ 90.0896, 0.3288,  
0.3402

■ 45.9233, 0.2153,  
0.2819

■ 92.5312, 0.3284,  
0.3441

■ 43.7615, 0.2109,  
0.2756

■ 95.0270, 0.3279,  
0.3480

■ 42.2410, 0.2085,  
0.2706

■ 97.5773, 0.3275,  
0.3519

■ 98.4939, 0.3274,  
0.3532

# Harmonies

## Analogous

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



67.0098, 0.2878, 0.3352



67.0098, 0.2791, 0.3184



67.0098, 0.2791, 0.3052

# Triad

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



67.0098, 0.2791, 0.3184



67.0098, 0.3216, 0.3088



67.0098, 0.3378, 0.3601

# Complementary

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



67.0098, 0.2791, 0.3184



56.0769, 0.3557, 0.3393

# 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.



67.0098, 0.3474, 0.3518



67.0098, 0.2791, 0.3184



67.0098, 0.3380, 0.3224

# Square

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



67.0098, 0.2791, 0.3184



67.0098, 0.3032, 0.3002



67.0098, 0.3476, 0.3380



67.0098, 0.3215, 0.3598



# Rectangle

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



67.0098, 0.2791, 0.3184



67.0098, 0.2840, 0.3001



67.0098, 0.3476, 0.3380



67.0098, 0.3419, 0.3581

# Sweetspot

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



67.0125, 0.2791, 0.3184



94.7713, 0.3018, 0.3259



69.8011, 0.3047, 0.3802



20.1919, 0.3009, 0.3256



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

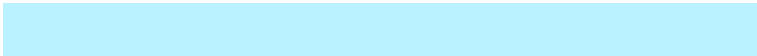


# Same Dimension

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



67.0125, 0.2791, 0.3184



81.6686, 0.2719, 0.3157



54.7994, 0.2769, 0.2883



15.8796, 0.2981, 0.3247



24.0740, 0.2088, 0.2716



1.8931, 0.2114, 0.2809



# Inverse Universe

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



54.3046, 0.3224, 0.2832



62.9010, 0.3250, 0.2726



67.6824, 0.3498, 0.3667



14.5691, 0.3165, 0.3099



11.6280, 0.3713, 0.1819

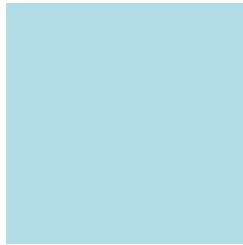


0.8708, 0.3627, 0.1771



# Previews

## White Background



This preview shows how the Yxy color 67.0098, 0.2791, 0.3184 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

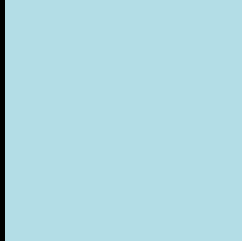
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.0098, 0.2791, 0.3184 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

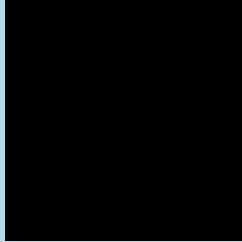
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

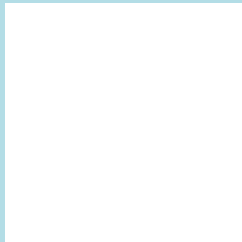
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.0098, 0.2791, 0.3184**

## Background



This preview shows how black text looks on a background with the Yxy color 67.0098, 0.2791, 0.3184.

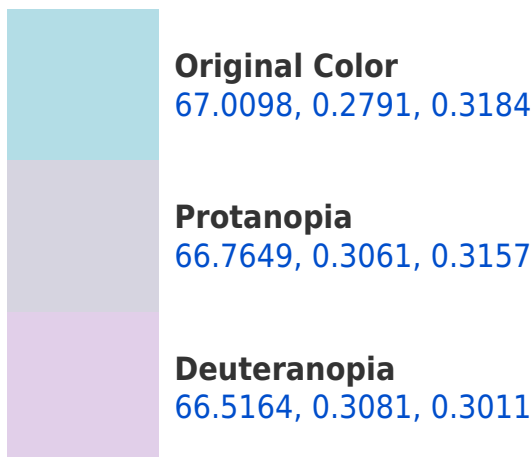


This preview shows how white text looks on a background with the Yxy color 67.0098, 0.2791, 0.3184.

# 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

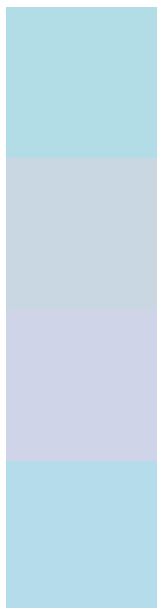




## Tritanopia

67.1246, 0.2762, 0.3094

# Trichromacy



## Original Color

67.0098, 0.2791, 0.3184

## Protanomaly

66.5094, 0.2956, 0.3165

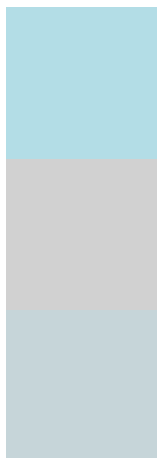
## Deuteranomaly

66.3231, 0.2966, 0.3068

## Tritanomaly

66.8302, 0.2773, 0.3127

# Monochromacy



## Original Color

67.0098, 0.2791, 0.3184

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

64.6040, 0.2993, 0.3243

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.0098, 0.2791, 0.3184 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, 221, 230)` looks like.

```
.text, #text, p{  
    color:rgb(179, 221, 230)  
}
```

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, 221, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 221, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 67.0098, 0.2791, 0.3184 is called "border". The border property can be set on classes, ids or directly on the HTML element.

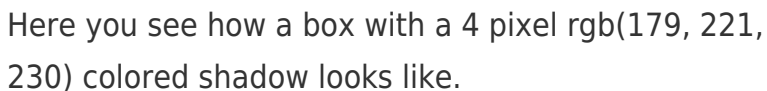
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(179, 221, 230) }
```

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

```
.border{ border-color:rgb(179, 221, 230) }
```

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



Here you see how a box with a 4 pixel `rgb(179, 221, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 221, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 221, 230); box-shadow:4px 4px 4px 4px rgb(179, 221, 230) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.0098, 0.2791, 0.3184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 221, 230) }
```

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

```
.background{ background-color: rgb(179,  
221, 230) }
```

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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