

# Converting Colors

$Yxy(67.7179, 0.3068, 0.3497)$

Have a look what the booklet for  
Yxy(67.7179, 0.3068, 0.3497)  
contains.

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# Color

**Yxy(67.7605, 0.3068, 0.3500)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C4DDCB
RGB	196, 221, 203
RGB Percent	77%, 87%, 80%
CMY	0.2314, 0.1333, 0.2039
CMYK	0.11, 0.00, 0.08, 0.13
HSL	137°, 27%, 82%
HSV	137°, 11%, 87%
XYZ	59.3969, 67.7605, 66.4440
YIQ	211.4730, -9.1220, -10.8980

# Conversions

## Conversions Part 2

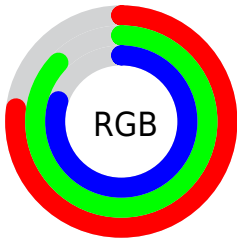
Format	Color
<b>RYB</b>	196, 216, 221
Decimal	12901835
CIELab	85.89, -11.69, 6.03
CIElCh	86, 13.152, 152.728
Yxy	67.7605, 0.3068, 0.3500
Android (android.graphics.Color)	4291091915 (0xFFC4DDCB)
YUV	211.4730, -4.1772, -13.5698
Hunter-Lab	82.3168, -15.2549, 9.7643

# Details

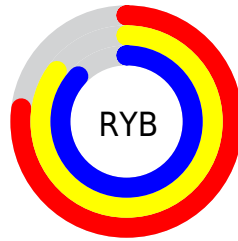
The Yxy color **67.7605, 0.3068, 0.3500** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.7015, 0.3192, 0.3089**, and the grayscale version is **65.5028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **35.1931, 0.3051, 0.3553** is the 20% darker color. If you saturate the color by 10%, you get **64.2949, 0.3016, 0.3710**, and if you desaturate by 10%, it is **71.7462, 0.3120, 0.3313**.

# Distribution



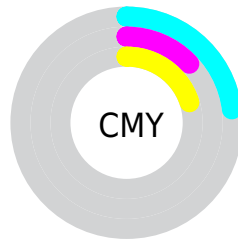
- Red (77%)
- Green (87%)
- Blue (80%)



- Red (77%)
- Yellow (85%)
- Blue (87%)



- Cyan (11%)
- Magenta (0%)
- Yellow (8%)
- Black (13%)



- Cyan (23%)
- Magenta (13%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.7605, 0.3068, 0.3500 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 67.7605, 0.3068, 0.3500 by changing the saturation by 10% instead.



67.7605, 0.3068,  
0.3500

67.7605, 0.3068,  
0.3500

452.6470, 0.3097,  
0.3400

49.7029, 0.3061,  
0.3524

116.0095, 0.3078,  
0.3465

35.1774, 0.3053,  
0.3553

146.9696, 0.3082,  
0.3451

23.7996, 0.3041,  
0.3591

182.9994, 0.3085,  
0.3440

15.1850, 0.3026,  
0.3642

224.4833, 0.3088,  
0.3430

8.9493, 0.3005,  
0.3714

271.8056, 0.3091,  
0.3421

4.7081, 0.2972,  
0.3823

325.3507, 0.3093,

2.0771, 0.2916,

0.3413

385.5030, 0.3095,  
0.3406

0.4005

0.6517, 0.2622,  
0.5115

0.0000, 0.0000,  
0.0000

67.7605, 0.3068,  
0.3500

67.7605, 0.3068,  
0.3500

64.2949, 0.3016,  
0.3710

71.7462, 0.3120,  
0.3313

61.3195, 0.2967,  
0.3944

76.2635, 0.3172,  
0.3149

58.8143, 0.2923,  
0.4198

79.9259, 0.3171,  
0.3000

56.7545, 0.2888,  
0.4468

80.1982, 0.3143,  
0.2960

■ 55.1132, 0.2863,  
0.4746

■ 53.8603, 0.2853,  
0.5019

■ 52.9615, 0.2858,  
0.5274

■ 52.3763, 0.2879,  
0.5499

■ 52.0650, 0.2906,  
0.5661

# Harmonies

## Analogous

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



67.7605, 0.3231, 0.3570



67.7605, 0.3068, 0.3500



67.7605, 0.2923, 0.3369

# Triad

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



67.7605, 0.3068, 0.3500



67.7605, 0.2887, 0.3024



67.7605, 0.3430, 0.3349

# Complementary

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



67.7605, 0.3068, 0.3500



59.7015, 0.3192, 0.3089

# 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.



67.7605, 0.3333, 0.3210



67.7605, 0.3068, 0.3500



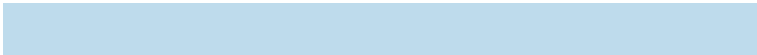
67.7605, 0.3018, 0.3026

# Square

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



67.7605, 0.3068, 0.3500



67.7605, 0.2821, 0.3093



67.7605, 0.3181, 0.3093



67.7605, 0.3443, 0.3477



# Rectangle

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



67.7605, 0.3068, 0.3500



67.7605, 0.2856, 0.3268



67.7605, 0.3181, 0.3093



67.7605, 0.3406, 0.3302

# Sweetspot

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



67.7634, 0.3068, 0.3500



98.2282, 0.3111, 0.3343



70.0498, 0.3246, 0.3572



20.9260, 0.3107, 0.3358



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

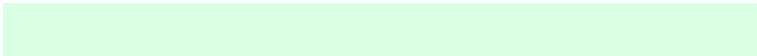


# Same Dimension

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



67.7634, 0.3068, 0.3500



92.3006, 0.3053, 0.3556



68.3669, 0.2991, 0.3357



14.6659, 0.3078, 0.3463



30.2589, 0.2898, 0.5634



1.9749, 0.2807, 0.5306



# Inverse Universe

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



59.7015, 0.3192, 0.3089



78.6723, 0.3210, 0.3038



59.1024, 0.3284, 0.3224



13.2094, 0.3180, 0.3123



10.4062, 0.4067, 0.2014

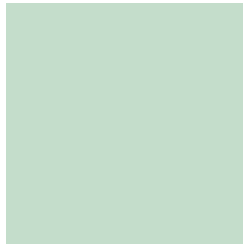


0.6886, 0.3895, 0.1920



# Previews

## White Background



This preview shows how the Yxy color 67.7605, 0.3068, 0.3500 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

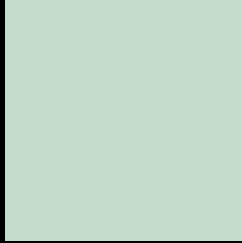
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.7605, 0.3068, 0.3500 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

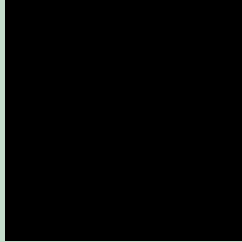
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

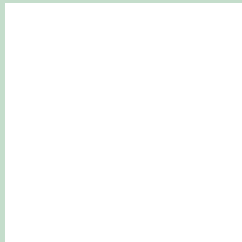
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.7605, 0.3068, 0.3500**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.7605, 0.3068, 0.3500.

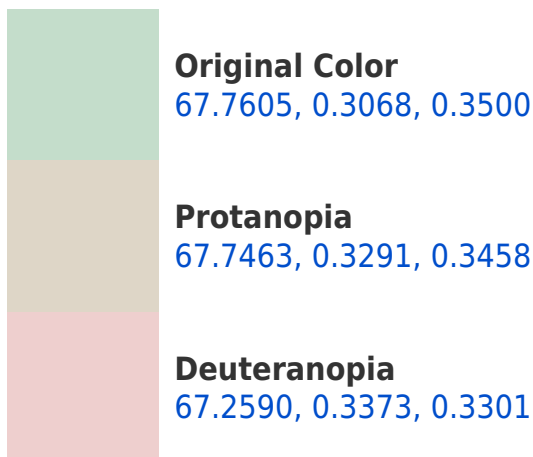


This preview shows how white text looks on a background with the Yxy color 67.7605, 0.3068, 0.3500.

# 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

67.4698, 0.2906, 0.3088

# Trichromacy



## Original Color

67.7605, 0.3068, 0.3500

## Protanomaly

67.9420, 0.3213, 0.3483

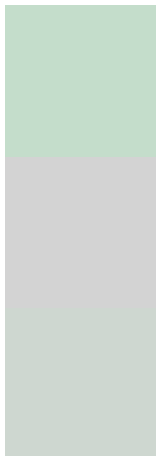
## Deuteranomaly

67.1827, 0.3258, 0.3368

## Tritanomaly

67.6126, 0.2962, 0.3233

# Monochromacy



## Original Color

67.7605, 0.3068, 0.3500

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

66.2768, 0.3109, 0.3370

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.7605, 0.3068, 0.3500 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(196, 221, 203)` looks like.

```
.text, #text, p{  
    color:rgb(196, 221, 203)  
}
```

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(196, 221, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 221, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 67.7605, 0.3068, 0.3500 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(196, 221, 203) }
```

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

```
.border{ border-color:rgb(196, 221, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 221, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 221, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 221, 203);  
box-shadow:4px 4px 4px 4px rgb(196, 221,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.7605, 0.3068, 0.3500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 221, 203) }
```

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

```
.background{ background-color: rgb(196,  
221, 203) }
```

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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