

# Converting Colors

$Yxy(67.5196, 0.2945, 0.3483)$

Have a look what the booklet for  
Yxy(67.5196, 0.2945, 0.3483)  
contains.

<b>Yxy(67.7614, 0.2948, 0.3492)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(67.7614, 0.2948, 0.3492)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6E0CF
RGB	182, 224, 207
RGB Percent	71%, 88%, 81%
CMY	0.2863, 0.1215, 0.1883
CMYK	0.19, 0.00, 0.08, 0.12
HSL	156°, 40%, 80%
HSV	156°, 19%, 88%
XYZ	57.2052, 67.7614, 69.0809
YIQ	209.5040, -19.5750, -14.1910

# Conversions

## Conversions Part 2

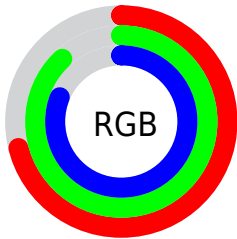
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 208, 224
Decimal	11985103
CIELab	85.89, -17.02, 3.81
CIELCh	86, 17.438, 167.373
Yxy	67.7614, 0.2948, 0.3492
Android (android.graphics.Color)	4290175183 (0xFFB6E0CF)
YUV	209.5040, -1.2345, -24.1210
Hunter-Lab	82.3173, -20.0093, 7.8658

# Details

The Yxy color **67.7614, 0.2948, 0.3492** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.4251, 0.3349, 0.3097**, and the grayscale version is **64.1241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **35.2650, 0.2898, 0.3543** is the 20% darker color. If you saturate the color by 10%, you get **64.8203, 0.2859, 0.3616**, and if you desaturate by 10%, it is **71.1700, 0.3042, 0.3379**.

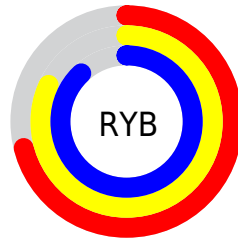
# Distribution



Red (71%)

Green (88%)

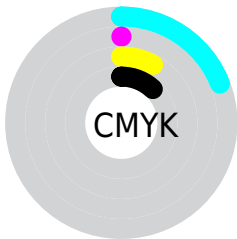
Blue (81%)



Red (71%)

Yellow (82%)

Blue (88%)

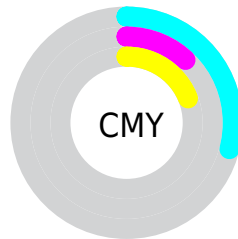


Cyan (19%)

Magenta (0%)

Yellow (8%)

Black (12%)



Cyan (29%)

Magenta (12%)


Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.7614, 0.2948, 0.3492 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 67.7614, 0.2948, 0.3492 by changing the saturation by 10% instead.





 67.7614, 0.2948,  
0.3492

 67.7614, 0.2948,  
0.3492

452.6502, 0.3033,  
0.3396

 49.7036, 0.2928,  
0.3515


 116.0107, 0.2978,  
0.3458

 35.1780, 0.2904,  
0.3543


146.9711, 0.2989,  
0.3445

 23.8000, 0.2872,  
0.3579


183.0012, 0.2999,  
0.3434

 15.1853, 0.2830,  
0.3628


224.4853, 0.3008,  
0.3424

 8.9496, 0.2771,  
0.3697

271.8078, 0.3015,  
0.3416

 4.7083, 0.2684,  
0.3800


325.3532, 0.3022,

 2.0771, 0.2540,


0.3409


0.3973


385.5059, 0.3027,  
0.3402


 0.6517, 0.1571,  
0.5018


 0.0000, 0.0000,  
0.0000

 67.7614, 0.2948,  
0.3492


 67.7614, 0.2948,  
0.3492


 64.8203, 0.2859,  
0.3616


 71.1700, 0.3042,  
0.3379


 62.3170, 0.2779,  
0.3751


 75.0572, 0.3139,  
0.3278

 60.2316, 0.2711,  
0.3896


 79.4446, 0.3237,  
0.3188


 58.5390, 0.2658,  
0.4048


 81.0654, 0.3218,  
0.3101

 57.2118, 0.2622,  
0.4206


 81.6285, 0.3158,  
0.3014

 56.2182, 0.2606,  
0.4365

 81.7964, 0.3141,  
0.2990

 55.5215, 0.2611,  
0.4523

 55.0652, 0.2634,  
0.4676

 55.0159, 0.2638,  
0.4695

# Harmonies

## Analogous

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



67.7614, 0.3158, 0.3632



67.7614, 0.2948, 0.3492



67.7614, 0.2789, 0.3295

# Triad

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



67.7614, 0.2948, 0.3492



67.7614, 0.2885, 0.2930



67.7614, 0.3553, 0.3452

# Complementary

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



67.7614, 0.2948, 0.3492



53.4251, 0.3349, 0.3097

# 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.



67.7614, 0.3476, 0.3271



67.7614, 0.2948, 0.3492



67.7614, 0.3084, 0.2976

# Square

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



67.7614, 0.2948, 0.3492



67.7614, 0.2753, 0.2974



67.7614, 0.3302, 0.3099



67.7614, 0.3512, 0.3600



# Rectangle

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



67.7614, 0.2948, 0.3492



67.7614, 0.2731, 0.3164



67.7614, 0.3302, 0.3099



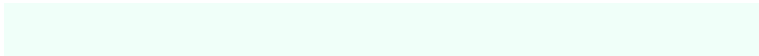
67.7614, 0.3540, 0.3393

# Sweetspot

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



67.7642, 0.2948, 0.3492



96.8198, 0.3068, 0.3351



68.9038, 0.3227, 0.3783



20.6524, 0.3062, 0.3358



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

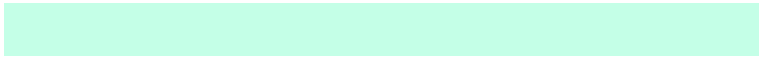


# Same Dimension

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



67.7642, 0.2948, 0.3492



89.0852, 0.2908, 0.3545



66.7796, 0.2844, 0.3248



15.4734, 0.3036, 0.3387



32.0435, 0.2631, 0.4672



2.2387, 0.2565, 0.4435



# Inverse Universe

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



53.4251, 0.3349, 0.3097



66.0717, 0.3414, 0.3049



54.1298, 0.3486, 0.3331



13.7922, 0.3229, 0.3195



9.6833, 0.5348, 0.2720

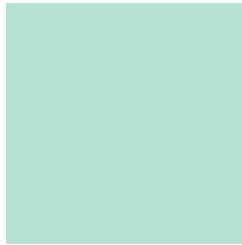


0.6886, 0.4943, 0.2497



# Previews

## White Background



This preview shows how the Yxy color 67.7614, 0.2948, 0.3492 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

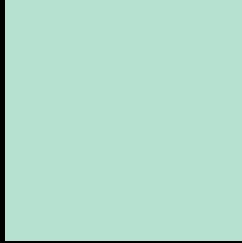
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.7614, 0.2948, 0.3492 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

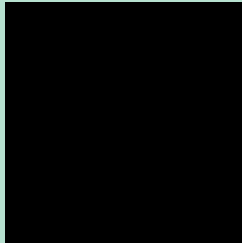
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

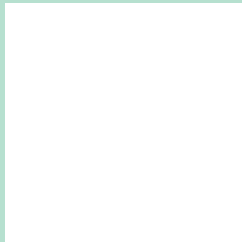
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.7614, 0.2948, 0.3492**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.7614, 0.2948, 0.3492.

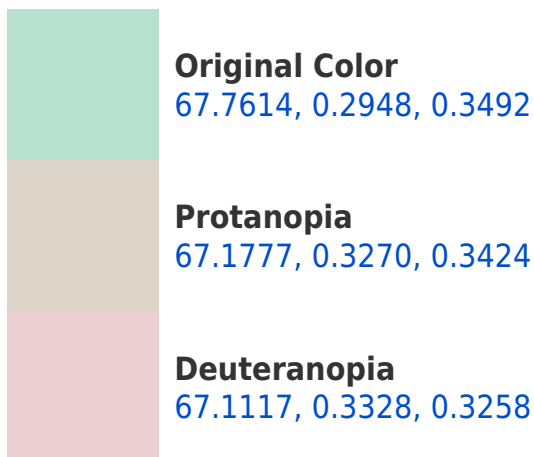


This preview shows how white text looks on a background with the Yxy color 67.7614, 0.2948, 0.3492.

# 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

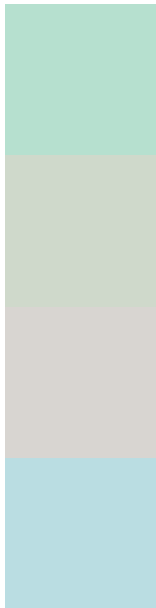




## Tritanopia

67.9922, 0.2806, 0.3096

# Trichromacy



**Original Color**

67.7614, 0.2948, 0.3492

**Protanomaly**

67.2029, 0.3149, 0.3450

**Deuteranomaly**

66.7909, 0.3177, 0.3335

**Tritanomaly**

67.6430, 0.2858, 0.3231

# Monochromacy



**Original Color**

67.7614, 0.2948, 0.3492

**Achromatopsia**

64.4480, 0.3127, 0.3290

**Achromatomaly**

65.4837, 0.3059, 0.3359

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.7614, 0.2948, 0.3492 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(182, 224, 207)` looks like.

```
.text, #text, p{  
    color:rgb(182, 224, 207)  
}
```

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(182, 224, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 224, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 67.7614, 0.2948, 0.3492 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(182, 224, 207) }
```

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

```
.border{ border-color:rgb(182, 224, 207) }
```

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

Here you see how a box with a 4 pixel rgb(182, 224, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 224, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 224, 207);  
box-shadow:4px 4px 4px 4px rgb(182, 224,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.7614, 0.2948, 0.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 224, 207) }
```

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

```
.background{ background-color: rgb(182,  
224, 207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor