

# Converting Colors

$Yxy(67.1880, 0.2947, 0.3369)$

Have a look what the booklet for  
Yxy(67.1880, 0.2947, 0.3369)  
contains.

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# Color

**Yxy(67.2593, 0.2944, 0.3371)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCDDD6
RGB	188, 221, 214
RGB Percent	74%, 87%, 84%
CMY	0.2627, 0.1333, 0.1607
CMYK	0.15, 0.00, 0.03, 0.13
HSL	167°, 33%, 80%
HSV	167°, 15%, 87%
XYZ	58.7397, 67.2593, 73.5243
YIQ	210.3350, -17.4210, -9.1730

# Conversions

## Conversions Part 2

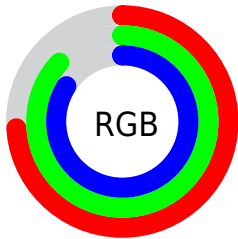
<b>Format</b>	<b>Color</b>
<b>RYB</b>	188, 206, 221
Decimal	12377558
CIELab	85.63, -12.19, -0.23
CIELCh	86, 12.189, 181.087
Yxy	67.2593, 0.2944, 0.3371
Android (android.graphics.Color)	4290567638 (0xFFBCDDD6)
YUV	210.3350, 1.8068, -19.5878
Hunter-Lab	82.0118, -15.6727, 4.2542

# Details

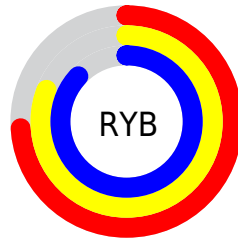
The Yxy color **67.2593, 0.2944, 0.3371** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.2869, 0.3348, 0.3211**, and the grayscale version is **64.6817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **34.8440, 0.2899, 0.3398** is the 20% darker color. If you saturate the color by 10%, you get **64.4313, 0.2829, 0.3432**, and if you desaturate by 10%, it is **70.5295, 0.3066, 0.3315**.

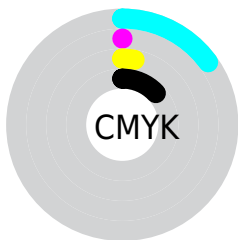
# Distribution



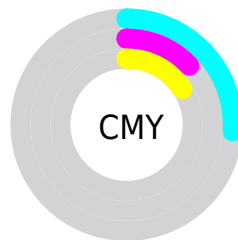
- Red (74%)
- Green (87%)
- Blue (84%)



- Red (74%)
- Yellow (81%)
- Blue (87%)



- Cyan (15%)
- Magenta (0%)
- Yellow (3%)
- Black (13%)




- Cyan (26%)
- Magenta (13%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.2593, 0.2944, 0.3371 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 67.2593, 0.2944, 0.3371 by changing the saturation by 10% instead.





 67.2593, 0.2944,  
0.3371

 67.2593, 0.2944,  
0.3371


450.8672, 0.3030,  
0.3333

 49.2954, 0.2924,  
0.3380


 115.2919, 0.2974,  
0.3358

 34.8539, 0.2899,  
0.3391

146.1293, 0.2986,  
0.3353

 23.5503, 0.2868,  
0.3405


182.0268, 0.2996,  
0.3348

 15.0004, 0.2826,  
0.3423

223.3685, 0.3004,  
0.3344

 8.8197, 0.2768,  
0.3448

270.5391, 0.3012,  
0.3341

 4.6237, 0.2683,  
0.3485

323.9228, 0.3019,

 2.0282, 0.2545,

0.3338

383.9040, 0.3025,  
0.3336

0.3546

0.6238, 0.1830,  
0.3864

0.0000, 0.0000,  
0.0000

67.2593, 0.2944,  
0.3371

67.2593, 0.2944,  
0.3371

64.4313, 0.2829,  
0.3432

70.5295, 0.3066,  
0.3315

62.0177, 0.2724,  
0.3498


74.2518, 0.3191,  
0.3265


60.0000, 0.2632,  
0.3568


78.4463, 0.3319,  
0.3220


58.3555, 0.2556,  
0.3641

78.8378, 0.3292,  
0.3174


 57.0588, 0.2497,  
0.3717

 79.1077, 0.3260,  
0.3128


 56.0816, 0.2458,  
0.3795


 79.3848, 0.3228,  
0.3083


 55.3907, 0.2438,  
0.3873

 79.6690, 0.3197,  
0.3038

 54.9457, 0.2437,  
0.3950

 79.9605, 0.3166,  
0.2994

 54.7795, 0.2442,  
0.3989

 80.1914, 0.3143,  
0.2960

# Harmonies

## Analogous

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



67.2593, 0.3081, 0.3490



67.2593, 0.2944, 0.3371



67.2593, 0.2857, 0.3231

# Triad

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



67.2593, 0.2944, 0.3371



67.2593, 0.3018, 0.3042



67.2593, 0.3422, 0.3459

# Complementary

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



67.2593, 0.2944, 0.3371



55.2869, 0.3348, 0.3211

# 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.



67.2593, 0.3405, 0.3338



67.2593, 0.2944, 0.3371



67.2593, 0.3169, 0.3102

# Square

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



67.2593, 0.2944, 0.3371



67.2593, 0.2899, 0.3045



67.2593, 0.3311, 0.3209



67.2593, 0.3358, 0.3539



# Rectangle

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



67.2593, 0.2944, 0.3371



67.2593, 0.2838, 0.3148



67.2593, 0.3311, 0.3209



67.2593, 0.3426, 0.3422

# Sweetspot

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



67.2621, 0.2944, 0.3371



97.9785, 0.3077, 0.3311



66.9674, 0.3160, 0.3681



20.8925, 0.3067, 0.3315



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

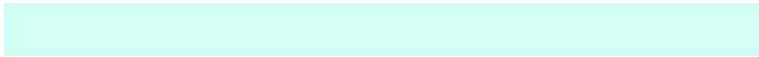


# Same Dimension

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



67.2621, 0.2944, 0.3371



91.7010, 0.2906, 0.3390



62.8286, 0.2897, 0.3180



14.7800, 0.3010, 0.3340



31.8403, 0.2438, 0.3977



2.0748, 0.2403, 0.3851



# Inverse Universe

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



55.2869, 0.3348, 0.3211



72.0138, 0.3406, 0.3193



59.1018, 0.3389, 0.3398



13.0963, 0.3259, 0.3241



9.0612, 0.6034, 0.3098



0.5998, 0.5577, 0.2846



# Previews

## White Background



This preview shows how the Yxy color 67.2593, 0.2944, 0.3371 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

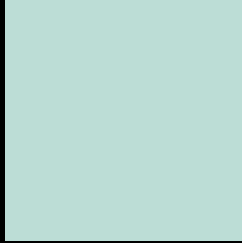
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.2593, 0.2944, 0.3371 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

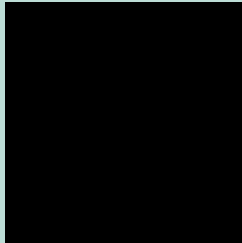
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

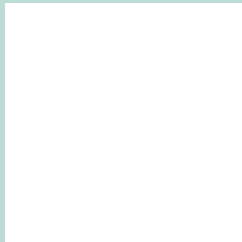
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.2593, 0.2944, 0.3371**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.2593, 0.2944, 0.3371.

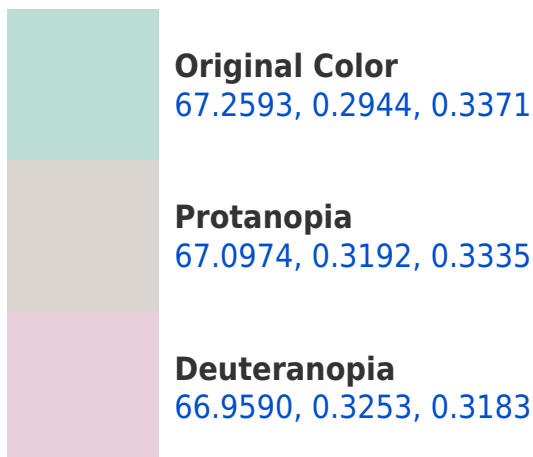


This preview shows how white text looks on a background with the Yxy color 67.2593, 0.2944, 0.3371.

# 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

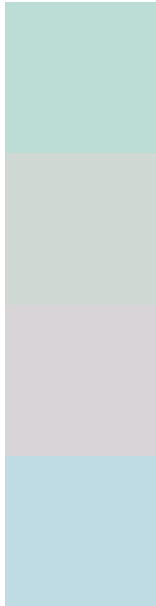




## Tritanopia

67.3474, 0.2842, 0.3097

# Trichromacy



## Original Color

67.2593, 0.2944, 0.3371

## Protanomaly

67.0803, 0.3096, 0.3347

## Deuteranomaly

66.7965, 0.3137, 0.3246

## Tritanomaly

67.2855, 0.2884, 0.3198

# Monochromacy



## Original Color

67.2593, 0.2944, 0.3371

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

65.3528, 0.3060, 0.3324

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.2593, 0.2944, 0.3371 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(188, 221, 214)` looks like.

```
.text, #text, p{  
    color:rgb(188, 221, 214)  
}
```

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(188, 221, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 221, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 67.2593, 0.2944, 0.3371 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(188, 221, 214) }
```

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

```
.border{ border-color:rgb(188, 221, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 221, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 221, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 221, 214);  
box-shadow:4px 4px 4px 4px rgb(188, 221,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.2593, 0.2944, 0.3371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 221, 214) }
```

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

```
.background{ background-color: rgb(188,  
221, 214) }
```

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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