

# Converting Colors

$Yxy(68.2133, 0.3095, 0.3828)$

Have a look what the booklet for  
Yxy(68.2133, 0.3095, 0.3828)  
contains.

<b>Yxy(68.3022, 0.3095, 0.3823)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(68.3022, 0.3095, 0.3823)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6E3B7
RGB	182, 227, 183
RGB Percent	71%, 89%, 72%
CMY	0.2865, 0.1097, 0.2824
CMYK	0.20, 0.00, 0.19, 0.11
HSL	121°, 45%, 80%
HSV	121°, 20%, 89%
XYZ	55.2957, 68.3022, 55.0634
YIQ	208.5290, -12.6960, -23.2240

# Conversions

## Conversions Part 2

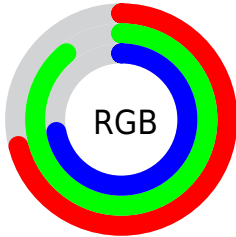
Format	Color
<b>RYB</b>	182, 226, 227
Decimal	11985847
CIELab	86.16, -22.93, 16.79
CIELCh	86, 28.422, 143.788
Yxy	68.3022, 0.3095, 0.3823
Android (android.graphics.Color)	4290175927 (0xFFB6E3B7)
YUV	208.5290, -12.5858, -23.2659
Hunter-Lab	82.6451, -25.1994, 18.3489

# Details

The Yxy color **68.3022, 0.3095, 0.3823** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **55.2534, 0.3158, 0.2809**, and the grayscale version is **63.5212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9291, 0.3114, 0.3449**, and **35.3267, 0.3079, 0.3956** is the 20% darker color. If you saturate the color by 10%, you get **64.9110, 0.3077, 0.4141**, and if you desaturate by 10%, it is **72.2926, 0.3112, 0.3538**.

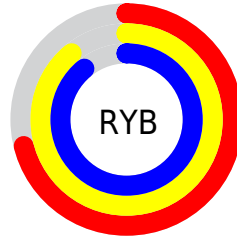
# Distribution



Red (71%)

Green (89%)

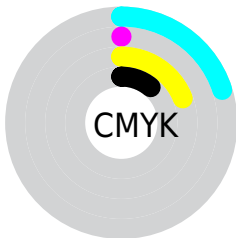
Blue (72%)



Red (71%)

Yellow (89%)

Blue (89%)

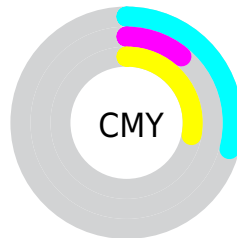


Cyan (20%)

Magenta (0%)

Yellow (19%)

Black (11%)



Cyan (29%)

Magenta (11%)


Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.3022, 0.3095, 0.3823 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 68.3022, 0.3095, 0.3823 by changing the saturation by 10% instead.




 68.3022, 0.3095,  
0.3823

 68.3022, 0.3095,  
0.3823


454.5660, 0.3115,  
0.3565

 50.1436, 0.3089,  
0.3885


 116.7844, 0.3103,  
0.3731

 35.5275, 0.3081,  
0.3963


147.8767, 0.3105,  
0.3696

 24.0695, 0.3070,  
0.4065

184.0492, 0.3108,  
0.3666

 15.3852, 0.3054,  
0.4202

225.6860, 0.3110,  
0.3640

 9.0902, 0.3027,  
0.4398

273.1718, 0.3111,  
0.3618

 4.8000, 0.2978,  
0.4696


326.8907, 0.3112,

 2.1304, 0.2884,


0.3598


0.5220


387.2273, 0.3114,  
0.3580


 0.6817, 0.1144,  
0.8856


 0.0000, 0.0000,  
0.0000


 68.3022, 0.3095,  
0.3823

 68.3022, 0.3095,  
0.3823


 64.9110, 0.3077,  
0.4141


 72.2926, 0.3112,  
0.3538


 62.0820, 0.3058,  
0.4483

 76.9000, 0.3127,  
0.3287

 59.7873, 0.3040,  
0.4838

 82.1522, 0.3141,  
0.3069

 57.9935, 0.3024,  
0.5183

 83.4291, 0.3140,  
0.3019

■ 56.6631, 0.3011,  
0.5492

■ 55.7536, 0.3002,  
0.5739

■ 55.2144, 0.2998,  
0.5904

■ 54.9635, 0.2997,  
0.5988

■ 54.9608, 0.2997,  
0.5989

# Harmonies

## Analogous

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



68.3022, 0.3441, 0.3918



68.3022, 0.3095, 0.3823



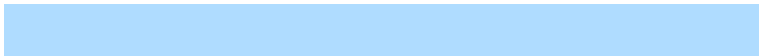
68.3022, 0.2770, 0.3556

# Triad

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



68.3022, 0.3095, 0.3823



68.3022, 0.2562, 0.2753



68.3022, 0.3740, 0.3313

# Complementary

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



68.3022, 0.3095, 0.3823



55.2534, 0.3158, 0.2809

# 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.



68.3022, 0.3479, 0.3037



68.3022, 0.3095, 0.3823



68.3022, 0.2795, 0.2723

# Square

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



68.3022, 0.3095, 0.3823



68.3022, 0.2475, 0.2926



68.3022, 0.3129, 0.2827



68.3022, 0.3825, 0.3597



# Rectangle

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



68.3022, 0.3095, 0.3823



68.3022, 0.2607, 0.3331



68.3022, 0.3129, 0.2827



68.3022, 0.3669, 0.3217

# Sweetspot

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



68.3051, 0.3095, 0.3823



96.2875, 0.3118, 0.3438



74.5361, 0.3420, 0.3784



20.5269, 0.3117, 0.3455



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

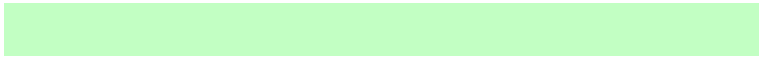


# Same Dimension

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



68.3051, 0.3095, 0.3823



86.9135, 0.3087, 0.3956



69.3054, 0.2959, 0.3548



16.0946, 0.3113, 0.3527



32.0493, 0.2996, 0.5985



2.3703, 0.2984, 0.5941



# Inverse Universe

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



55.2534, 0.3158, 0.2809



66.8827, 0.3166, 0.2704



54.1108, 0.3336, 0.3046



14.6091, 0.3142, 0.3064



12.5929, 0.3268, 0.1574

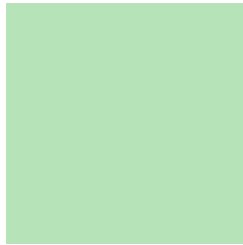


0.9324, 0.3259, 0.1569



# Previews

## White Background



This preview shows how the Yxy color 68.3022, 0.3095, 0.3823 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 68.3022, 0.3095, 0.3823 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

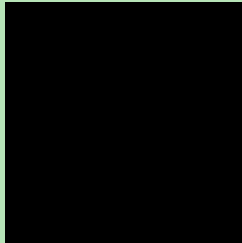
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

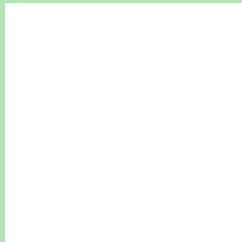
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.3022, 0.3095, 0.3823**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.3022, 0.3095, 0.3823.

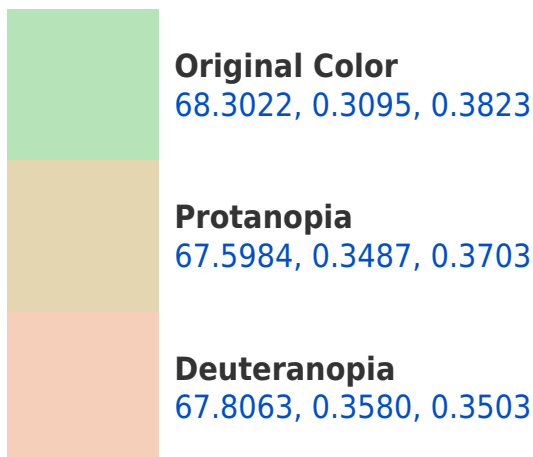


This preview shows how white text looks on a background with the Yxy color 68.3022, 0.3095, 0.3823.

# 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

68.3772, 0.2825, 0.3097

# Trichromacy



**Original Color**

68.3022, 0.3095, 0.3823

**Protanomaly**

67.7666, 0.3340, 0.3751

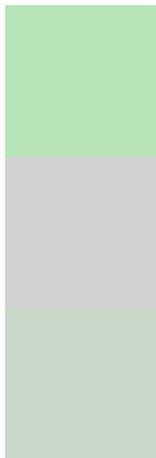
**Deuteranomaly**

67.3263, 0.3391, 0.3605

**Tritanomaly**

68.4765, 0.2926, 0.3359

# Monochromacy



**Original Color**

68.3022, 0.3095, 0.3823

**Achromatopsia**

63.7597, 0.3127, 0.3290

**Achromatomaly**

65.4240, 0.3111, 0.3477

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.3022, 0.3095, 0.3823 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, 227, 183)` looks like.

```
.text, #text, p{  
    color:rgb(182, 227, 183)  
}
```

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, 227, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 227, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 68.3022, 0.3095, 0.3823 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, 227, 183) }
```

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

```
.border{ border-color:rgb(182, 227, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 227, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 227, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 227, 183);  
box-shadow:4px 4px 4px 4px rgb(182, 227,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.3022, 0.3095, 0.3823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 227, 183) }
```

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

```
.background{ background-color: rgb(182,  
227, 183) }
```

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