

# Converting Colors

$Yxy(68.5059, 0.3086, 0.3733)$

Have a look what the booklet for  
Yxy(68.5059, 0.3086, 0.3733)  
contains.

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# Color

**Yxy(68.5059, 0.3086, 0.3733)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAE2BD
RGB	186, 226, 189
RGB Percent	73%, 89%, 74%
CMY	0.2705, 0.1137, 0.2589
CMYK	0.18, 0.00, 0.16, 0.11
HSL	124°, 41%, 81%
HSV	124°, 18%, 89%
XYZ	56.6325, 68.5059, 58.3759
YIQ	209.8220, -11.9630, -19.9870

# Conversions

## Conversions Part 2

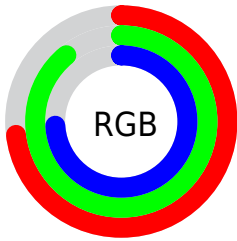
<b>Format</b>	<b>Color</b>
<b>RYB</b>	186, 223, 226
Decimal	12247741
CIELab	86.26, -20.03, 13.83
CIELCh	86, 24.344, 145.373
Yxy	68.5059, 0.3086, 0.3733
Android (android.graphics.Color)	4290437821 (0xFFBAE2BD)
YUV	209.8220, -10.2652, -20.8919
Hunter-Lab	82.7683, -22.7095, 16.1210

# Details

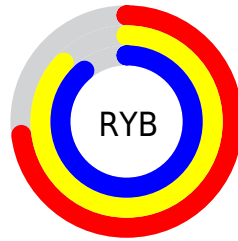
The Yxy color **68.5059, 0.3086, 0.3733** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.6217, 0.3170, 0.2884**, and the grayscale version is **64.4029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9898, 0.3104, 0.3388**, and **35.8089, 0.3066, 0.3849** is the 20% darker color. If you saturate the color by 10%, you get **65.0544, 0.3062, 0.4027**, and if you desaturate by 10%, it is **72.5419, 0.3110, 0.3470**.

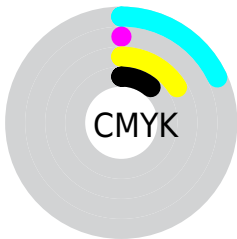
# Distribution



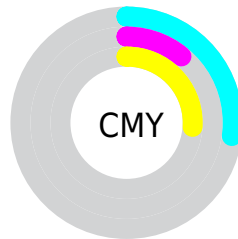
- Red (73%)
- Green (89%)
- Blue (74%)



- Red (73%)
- Yellow (87%)
- Blue (89%)



- Cyan (18%)
- Magenta (0%)
- Yellow (16%)
- Black (11%)




- Cyan (27%)
- Magenta (11%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.5059, 0.3086, 0.3733 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 68.5059, 0.3086, 0.3733 by changing the saturation by 10% instead.




 68.5059, 0.3086,  
0.3733

 68.5059, 0.3086,  
0.3733


455.2864, 0.3108,  
0.3519

 50.3094, 0.3080,  
0.3784


 117.0756, 0.3094,  
0.3657

 35.6593, 0.3072,  
0.3848

148.2176, 0.3098,  
0.3628

 24.1712, 0.3061,  
0.3932


184.4435, 0.3100,  
0.3603

 15.4607, 0.3045,  
0.4044

226.1378, 0.3102,  
0.3582

 9.1433, 0.3021,  
0.4203

273.6848, 0.3104,  
0.3563

 4.8348, 0.2979,  
0.4446


327.4690, 0.3106,

 2.1507, 0.2896,


0.3547


0.4860


387.8747, 0.3107,  
0.3532


 0.6929, 0.1966,  
0.8034


 0.0000, 0.0000,  
0.0000


 68.5059, 0.3086,  
0.3733

 68.5059, 0.3086,  
0.3733


 65.0544, 0.3062,  
0.4027

 72.5419, 0.3110,  
0.3470


 62.1521, 0.3038,  
0.4348

 77.1785, 0.3132,  
0.3240

 59.7733, 0.3016,  
0.4685

 82.4421, 0.3153,  
0.3039

 57.8867, 0.2998,  
0.5023

 82.8743, 0.3140,  
0.3009

■ 56.4577, 0.2985,  
0.5340

■ 55.4473, 0.2980,  
0.5611

■ 54.8098, 0.2981,  
0.5815

■ 54.4845, 0.2988,  
0.5941

■ 54.4343, 0.2989,  
0.5961

# Harmonies

## Analogous

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



68.5059, 0.3383, 0.3825



68.5059, 0.3086, 0.3733



68.5059, 0.2809, 0.3503

# Triad

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



68.5059, 0.3086, 0.3733



68.5059, 0.2649, 0.2824



68.5059, 0.3658, 0.3326

# Complementary

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



68.5059, 0.3086, 0.3733



56.6217, 0.3170, 0.2884

# 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.



68.5059, 0.3443, 0.3085



68.5059, 0.3086, 0.3733



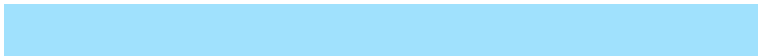
68.5059, 0.2857, 0.2802

# Square

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



68.5059, 0.3086, 0.3733



68.5059, 0.2565, 0.2970



68.5059, 0.3146, 0.2897



68.5059, 0.3723, 0.3570



# Rectangle

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



68.5059, 0.3086, 0.3733



68.5059, 0.2671, 0.3312



68.5059, 0.3146, 0.2897



68.5059, 0.3601, 0.3242

# Sweetspot

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



68.5088, 0.3086, 0.3733



96.9246, 0.3116, 0.3406



73.6816, 0.3373, 0.3732



20.6569, 0.3114, 0.3423



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

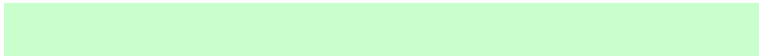


# Same Dimension

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



68.5088, 0.3086, 0.3733



88.4289, 0.3078, 0.3831



69.4224, 0.2965, 0.3493



15.3537, 0.3106, 0.3514



31.0604, 0.2986, 0.5949



2.1588, 0.2947, 0.5809



# Inverse Universe

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



56.6217, 0.3170, 0.2884



70.2093, 0.3180, 0.2803



55.6207, 0.3325, 0.3096



13.9171, 0.3149, 0.3076



11.8632, 0.3405, 0.1649

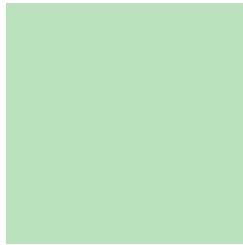


0.8276, 0.3371, 0.1631



# Previews

## White Background



This preview shows how the Yxy color 68.5059, 0.3086, 0.3733 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 68.5059, 0.3086, 0.3733 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

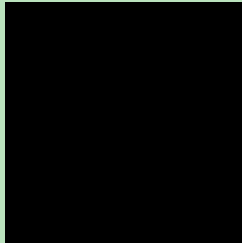
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

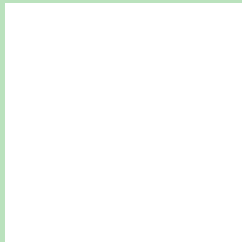
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.5059, 0.3086, 0.3733**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.5059, 0.3086, 0.3733.



This preview shows how white text looks on a background with the Yxy color 68.5059, 0.3086, 0.3733.

# 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



### Original Color

68.5059, 0.3086, 0.3733

### Protanopia

68.1885, 0.3434, 0.3647

### Deuteranopia

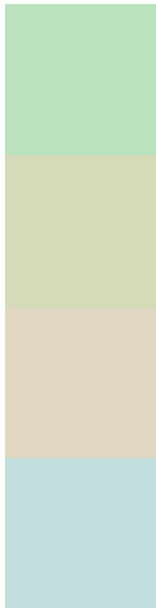
68.1951, 0.3516, 0.3451



## Tritanopia

68.2468, 0.2843, 0.3087

# Trichromacy



**Original Color**

68.5059, 0.3086, 0.3733

**Protanomaly**

68.0147, 0.3299, 0.3681

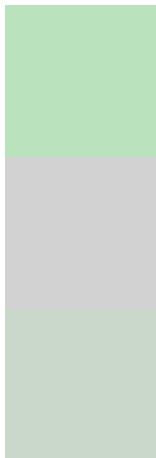
**Deuteranomaly**

68.0946, 0.3347, 0.3547

**Tritanomaly**

68.4862, 0.2927, 0.3312

# Monochromacy



**Original Color**

68.5059, 0.3086, 0.3733

**Achromatopsia**

64.4480, 0.3127, 0.3290

**Achromatomaly**

65.7935, 0.3112, 0.3453

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.5059, 0.3086, 0.3733 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(186, 226, 189)` looks like.

```
.text, #text, p{  
    color:rgb(186, 226, 189)  
}
```

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(186, 226, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 226, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 68.5059, 0.3086, 0.3733 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(186, 226, 189) }
```

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

```
.border{ border-color:rgb(186, 226, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 226, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 226, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 226, 189);  
box-shadow:4px 4px 4px 4px rgb(186, 226,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.5059, 0.3086, 0.3733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 226, 189) }
```

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

```
.background{ background-color: rgb(186,  
226, 189) }
```

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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