

# Converting Colors

Yxy(68.4173, 0.3268, 0.4413)

Have a look what the booklet for  
Yxy(68.4173, 0.3268, 0.4413)  
contains.

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# Color

**Yxy(68.4369, 0.3268, 0.4406)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ACE88E
RGB	172, 232, 142
RGB Percent	67%, 91%, 56%
CMY	0.3253, 0.0902, 0.4431
CMYK	0.26, 0.00, 0.39, 0.09
HSL	100°, 66%, 73%
HSV	100°, 39%, 91%
XYZ	50.7607, 68.4369, 36.1290
YIQ	203.8000, -6.8700, -40.7100

# Conversions

## Conversions Part 2

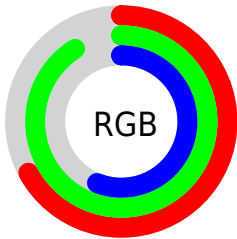
Format	Color
<b>RYB</b>	142, 232, 202
Decimal	11331726
CIELab	86.22, -34.96, 37.79
CIELCh	86, 51.478, 132.773
Yxy	68.4369, 0.3268, 0.4406
Android (android.graphics.Color)	4289521806 (0xFFACE88E)
YUV	203.8000, -30.4674, -27.8886
Hunter-Lab	82.7266, -35.2446, 32.0151

# Details

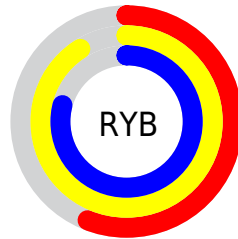
The Yxy color **68.4369, 0.3268, 0.4406** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **37.7260, 0.2903, 0.2254**, and the grayscale version is **60.4578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2092, 0.3299, 0.3893**, and **35.5708, 0.3272, 0.4710** is the 20% darker color. If you saturate the color by 10%, you get **66.1650, 0.3288, 0.4729**, and if you desaturate by 10%, it is **71.0631, 0.3238, 0.4089**.

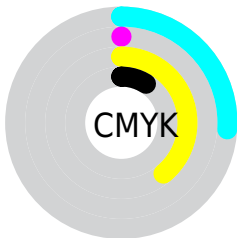
# Distribution



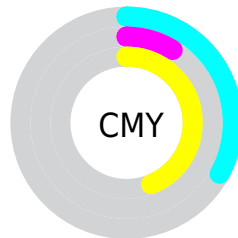
- Red (67%)
- Green (91%)
- Blue (56%)



- Red (56%)
- Yellow (91%)
- Blue (79%)



- Cyan (26%)
- Magenta (0%)
- Yellow (39%)
- Black (9%)




- Cyan (33%)
- Magenta (9%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.4369, 0.3268, 0.4406 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 68.4369, 0.3268, 0.4406 by changing the saturation by 10% instead.





 68.4369, 0.3268,  
0.4406


 68.4369, 0.3268,  
0.4406


455.0424, 0.3222,  
0.3857

 50.2533, 0.3273,  
0.4538


 116.9769, 0.3256,  
0.4210

 35.6147, 0.3274,  
0.4704


 148.1021, 0.3251,  
0.4135

 24.1367, 0.3271,  
0.4919


184.3100, 0.3245,  
0.4072

 15.4351, 0.3254,  
0.5205

225.9848, 0.3240,  
0.4017

 9.1253, 0.3208,  
0.5600

273.5111, 0.3235,  
0.3969

 4.8230, 0.3115,  
0.6215

327.2732, 0.3230,

 2.1438, 0.2848,

0.3927

0.7152

387.6555, 0.3226,  
0.3890

0.6891, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

68.4369, 0.3268,  
0.4406

68.4369, 0.3268,  
0.4406

66.1650, 0.3288,  
0.4729

71.0631, 0.3238,  
0.4089

64.2226, 0.3295,  
0.5044

74.0497, 0.3203,  
0.3789

62.5952, 0.3286,  
0.5330

77.4136, 0.3163,  
0.3512

61.2635, 0.3261,  
0.5569

81.1679, 0.3122,  
0.3261

■ 60.2057, 0.3220,  
0.5747

■ 85.1299, 0.3100,  
0.3065

■ 59.3924, 0.3169,  
0.5859

■ 86.1904, 0.3138,  
0.3068

■ 59.3066, 0.3163,  
0.5871

# Harmonies

## Analogous

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



68.4369, 0.3859, 0.4392



68.4369, 0.3268, 0.4406



68.4369, 0.2670, 0.4006

# Triad

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



68.4369, 0.3268, 0.4406



68.4369, 0.2069, 0.2419



68.4369, 0.4099, 0.3120

# Complementary

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



68.4369, 0.3268, 0.4406



37.7260, 0.2903, 0.2254

# Split Complementary

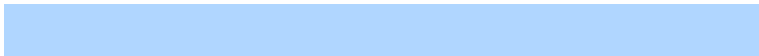
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.4369, 0.3526, 0.2701



68.4369, 0.3268, 0.4406



68.4369, 0.2367, 0.2307

# Square

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



68.4369, 0.3268, 0.4406



68.4369, 0.2017, 0.2778



68.4369, 0.2883, 0.2412



68.4369, 0.4380, 0.3600



# Rectangle

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



68.4369, 0.3268, 0.4406



68.4369, 0.2347, 0.3583



68.4369, 0.2883, 0.2412



68.4369, 0.3931, 0.2970

# Sweetspot

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



68.4399, 0.3268, 0.4406



94.5202, 0.3176, 0.3600



60.6492, 0.3832, 0.3944



20.1126, 0.3182, 0.3636



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

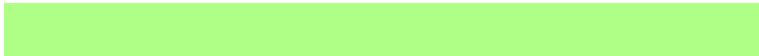


# Same Dimension

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



68.4399, 0.3268, 0.4406



82.4056, 0.3286, 0.4680



65.8459, 0.2998, 0.4294



16.3217, 0.3166, 0.3529



32.9879, 0.3174, 0.5862



2.4870, 0.3286, 0.5773



# Inverse Universe

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



37.7260, 0.2903, 0.2254



39.0359, 0.2836, 0.2022



41.5924, 0.3294, 0.2461



14.3616, 0.3085, 0.3055



7.1504, 0.2384, 0.1087



0.5787, 0.2507, 0.1154



# Previews

## White Background



This preview shows how the Yxy color 68.4369, 0.3268, 0.4406 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 68.4369, 0.3268, 0.4406 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

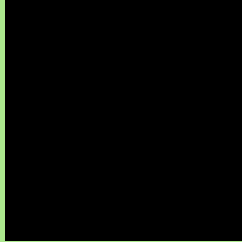
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.4369, 0.3268, 0.4406**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.4369, 0.3268, 0.4406.

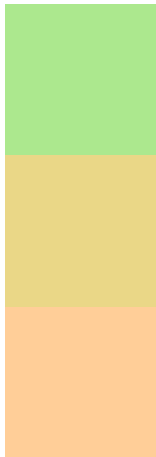


This preview shows how white text looks on a background with the Yxy color 68.4369, 0.3268, 0.4406.

# 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

68.4369, 0.3268, 0.4406

### Protanopia

67.8426, 0.3837, 0.4158

### Deuteranopia

67.6696, 0.3924, 0.3850



## Tritanopia

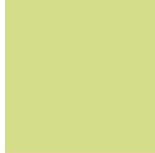
67.9242, 0.2794, 0.3085

# Trichromacy



## Original Color

68.4369, 0.3268, 0.4406



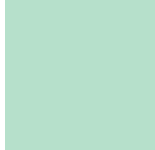
## Protanomaly

67.3968, 0.3610, 0.4246



## Deuteranomaly

66.7465, 0.3675, 0.4042



## Tritanomaly

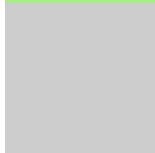
67.5682, 0.2972, 0.3540

# Monochromacy



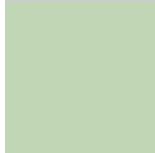
## Original Color

68.4369, 0.3268, 0.4406



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

62.6358, 0.3189, 0.3691

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.4369, 0.3268, 0.4406 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(172, 232, 142)` looks like.

```
.text, #text, p{  
    color:rgb(172, 232, 142)  
}
```

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(172, 232, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 232, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 68.4369, 0.3268, 0.4406 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(172, 232, 142) }
```

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

```
.border{ border-color:rgb(172, 232, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 232, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 232, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 232, 142);  
box-shadow:4px 4px 4px 4px rgb(172, 232,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.4369, 0.3268, 0.4406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 232, 142) }
```

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

```
.background{ background-color: rgb(172,  
232, 142) }
```

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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