

# Converting Colors

$Yxy(67.5026, 0.2973, 0.3827)$

Have a look what the booklet for  
Yxy(67.5026, 0.2973, 0.3827)  
contains.

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# Color

**Yxy(67.6908, 0.2971, 0.3823)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6E5BA
RGB	166, 229, 186
RGB Percent	65%, 90%, 73%
CMY	0.3492, 0.1019, 0.2704
CMYK	0.28, 0.00, 0.19, 0.10
HSL	139°, 55%, 77%
HSV	139°, 28%, 90%
XYZ	52.6051, 67.6908, 56.7661
YIQ	205.2610, -23.7450, -26.7290

# Conversions

## Conversions Part 2

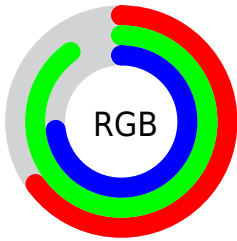
Format	Color
R <sub>Y</sub> B	166, 214, 229
Decimal	10937786
CIE Lab	85.85, -28.50, 14.64
CIE LCh	86, 32.036, 152.811
Yxy	67.6908, 0.2971, 0.3823
Android (android.graphics.Color)	4289127866 (0xFFA6E5BA)
YUV	205.2610, -9.4957, -34.4319
Hunter-Lab	82.2744, -29.8498, 16.6844

# Details

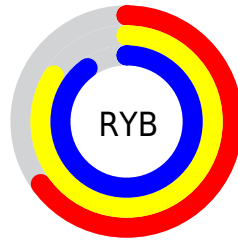
The Yxy color **67.6908, 0.2971, 0.3823** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **48.5193, 0.3329, 0.2811**, and the grayscale version is **61.2965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4604, 0.2999, 0.3422**, and **35.0253, 0.2923, 0.3959** is the 20% darker color. If you saturate the color by 10%, you get **64.8075, 0.2920, 0.4057**, and if you desaturate by 10%, it is **71.0929, 0.3026, 0.3610**.

# Distribution



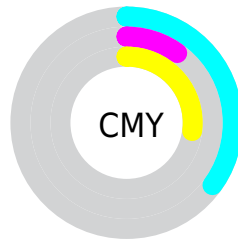
- Red (65%)
- Green (90%)
- Blue (73%)



- Red (65%)
- Yellow (84%)
- Blue (90%)



- Cyan (28%)
- Magenta (0%)
- Yellow (19%)
- Black (10%)




- Cyan (35%)
- Magenta (10%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6908, 0.2971, 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 67.6908, 0.2971, 0.3823 by changing the saturation by 10% instead.



 67.6908, 0.2971,  
0.3823


 67.6908, 0.2971,  
0.3823

452.3997, 0.3049,  
0.3564

 49.6462, 0.2952,  
0.3886


 115.9097, 0.2999,  
0.3730

 35.1324, 0.2927,  
0.3965


 146.8528, 0.3010,  
0.3695

 23.7649, 0.2894,  
0.4068


182.8642, 0.3019,  
0.3665

 15.1593, 0.2849,  
0.4208

224.3284, 0.3027,  
0.3639

 8.9313, 0.2783,  
0.4409

271.6296, 0.3033,  
0.3617

 4.6964, 0.2678,  
0.4719

325.1523, 0.3039,

 2.0702, 0.2487,

0.3597

0.5259

385.2809, 0.3044,  
0.3579

0.6478, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

67.6908, 0.2971,  
0.3823

67.6908, 0.2971,  
0.3823

64.8075, 0.2920,  
0.4057

71.0929, 0.3026,  
0.3610

62.4089, 0.2878,  
0.4308

75.0292, 0.3084,  
0.3419

60.4697, 0.2846,  
0.4570

79.5249, 0.3141,  
0.3250

58.9590, 0.2828,  
0.4835

84.1107, 0.3181,  
0.3101

■ 57.8420, 0.2827,  
0.5091

■ 84.5239, 0.3139,  
0.3039

■ 57.0780, 0.2843,  
0.5326

■ 56.6129, 0.2874,  
0.5529

■ 56.5237, 0.2882,  
0.5574

# Harmonies

## Analogous

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



67.6908, 0.3364, 0.3995



67.6908, 0.2971, 0.3823



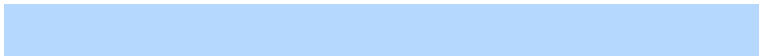
67.6908, 0.2634, 0.3477

# Triad

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



67.6908, 0.2971, 0.3823



67.6908, 0.2555, 0.2660



67.6908, 0.3874, 0.3409

# Complementary

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



67.6908, 0.2971, 0.3823



48.5193, 0.3329, 0.2811

# 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.



67.6908, 0.3630, 0.3092



67.6908, 0.2971, 0.3823



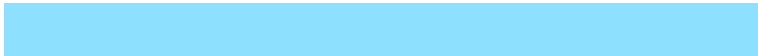
67.6908, 0.2856, 0.2675

# Square

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



67.6908, 0.2971, 0.3823



67.6908, 0.2406, 0.2803



67.6908, 0.3250, 0.2831



67.6908, 0.3900, 0.3719



# Rectangle

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



67.6908, 0.2971, 0.3823



67.6908, 0.2482, 0.3218



67.6908, 0.3250, 0.2831



67.6908, 0.3814, 0.3301

# Sweetspot

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



67.6936, 0.2971, 0.3823



95.4707, 0.3081, 0.3429



72.3576, 0.3394, 0.4012



20.2635, 0.3072, 0.3456



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

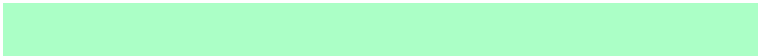


# Same Dimension

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



67.6936, 0.2971, 0.3823



84.2217, 0.2942, 0.3953



69.1802, 0.2790, 0.3427



16.1644, 0.3072, 0.3454



32.3338, 0.2874, 0.5547



2.4058, 0.2792, 0.5251



# Inverse Universe

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



48.5193, 0.3329, 0.2811



55.9423, 0.3382, 0.2710



47.1141, 0.3616, 0.3158



14.5330, 0.3186, 0.3131



10.9213, 0.4213, 0.2094

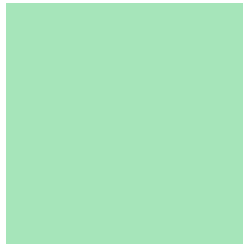


0.8238, 0.4030, 0.1994



# Previews

## White Background



This preview shows how the Yxy color 67.6908, 0.2971, 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 67.6908, 0.2971, 0.3823 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

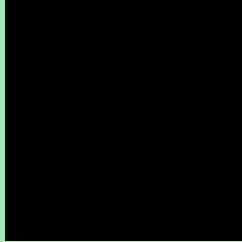
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.6908, 0.2971, 0.3823**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.6908, 0.2971, 0.3823.

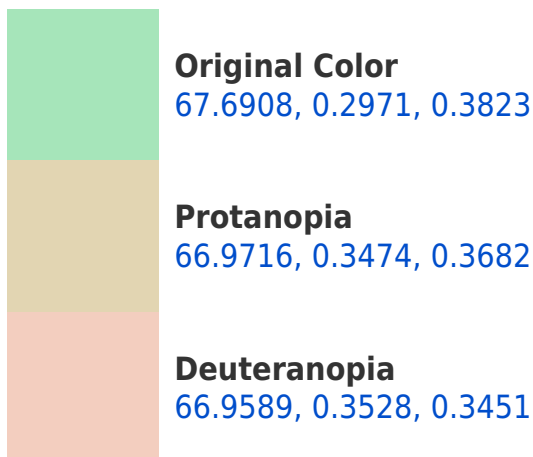


This preview shows how white text looks on a background with the Yxy color 67.6908, 0.2971, 0.3823.

# 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

67.7047, 0.2723, 0.3093

# Trichromacy



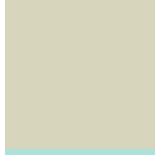
## Original Color

67.6908, 0.2971, 0.3823



## Protanomaly

66.8366, 0.3273, 0.3735



## Deuteranomaly

66.2143, 0.3308, 0.3576



## Tritanomaly

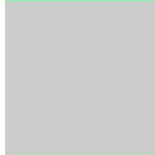
67.7884, 0.2809, 0.3349

# Monochromacy



## Original Color

67.6908, 0.2971, 0.3823



## Achromatopsia

61.0496, 0.3127, 0.3290



## Achromatomaly

63.2467, 0.3067, 0.3481

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.6908, 0.2971, 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(166, 229, 186)` looks like.

```
.text, #text, p{  
    color:rgb(166, 229, 186)  
}
```

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(166, 229, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 229, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 67.6908, 0.2971, 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(166, 229, 186) }
```

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

```
.border{ border-color:rgb(166, 229, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 229, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 229, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 229, 186);  
box-shadow:4px 4px 4px 4px rgb(166, 229,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.6908, 0.2971, 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(166, 229, 186) }
```

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

```
.background{ background-color: rgb(166,  
229, 186) }
```

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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