

# Converting Colors

Yxy(68.8159, 0.2962, 0.3549)

Have a look what the booklet for  
Yxy(68.8159, 0.2962, 0.3549)  
contains.

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# Color

**Yxy(68.6974, 0.2967, 0.3551)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6E2CC
RGB	182, 226, 204
RGB Percent	71%, 89%, 80%
CMY	0.2860, 0.1138, 0.2000
CMYK	0.19, 0.00, 0.10, 0.11
HSL	150°, 43%, 80%
HSV	150°, 19%, 89%
XYZ	57.3994, 68.6974, 67.3625
YIQ	210.3360, -19.1620, -16.1700

# Conversions

## Conversions Part 2

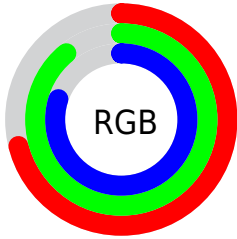
Format	Color
<b>RYB</b>	182, 211, 226
Decimal	11985612
CIELab	86.35, -18.55, 6.05
CIELCh	86, 19.515, 161.926
Yxy	68.6974, 0.2967, 0.3551
Android (android.graphics.Color)	4290175692 (0xFFB6E2CC)
YUV	210.3360, -3.1236, -24.8507
Hunter-Lab	82.8839, -21.4307, 9.8317

# Details

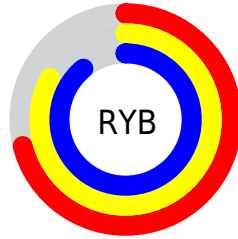
The Yxy color **68.6974, 0.2967, 0.3551** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.0149, 0.3324, 0.3043**, and the grayscale version is **64.7213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **35.9170, 0.2922, 0.3623** is the 20% darker color. If you saturate the color by 10%, you get **65.6424, 0.2890, 0.3707**, and if you desaturate by 10%, it is **72.2416, 0.3048, 0.3410**.

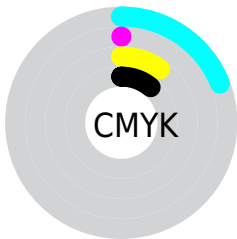
# Distribution



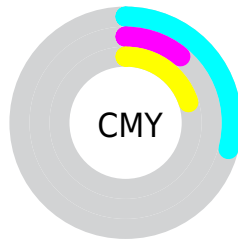
- Red (71%)
- Green (89%)
- Blue (80%)



- Red (71%)
- Yellow (83%)
- Blue (89%)



- Cyan (19%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)




- Cyan (29%)
- Magenta (11%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6974, 0.2967, 0.3551 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 68.6974, 0.2967, 0.3551 by changing the saturation by 10% instead.




 68.6974, 0.2967,  
0.3551

 68.6974, 0.2967,  
0.3551


455.9630, 0.3043,  
0.3427

 50.4653, 0.2949,  
0.3580


 117.3493, 0.2994,  
0.3507

 35.7833, 0.2927,  
0.3617


148.5378, 0.3004,  
0.3490

 24.2668, 0.2898,  
0.3665


184.8140, 0.3013,  
0.3476

 15.5317, 0.2860,  
0.3729

226.5622, 0.3021,  
0.3463

 9.1934, 0.2806,  
0.3818

274.1668, 0.3027,  
0.3452

 4.8675, 0.2725,  
0.3954


328.0122, 0.3033,

 2.1697, 0.2591,

0.3443

0.4183


388.4828, 0.3038,  
0.3434


 0.7034, 0.1710,  
0.5575


 0.0000, 0.0000,  
0.0000


 68.6974, 0.2967,  
0.3551

 68.6974, 0.2967,  
0.3551


 65.6424, 0.2890,  
0.3707

 72.2416, 0.3048,  
0.3410

 63.0460, 0.2821,  
0.3878

 76.2871, 0.3132,  
0.3283

 60.8872, 0.2763,  
0.4061

 80.8561, 0.3216,  
0.3171

 59.1398, 0.2719,  
0.4253

 82.5022, 0.3177,  
0.3063

■ 57.7750, 0.2692,  
0.4450

■ 82.8666, 0.3140,  
0.3009

■ 56.7597, 0.2685,  
0.4648

■ 56.0551, 0.2699,  
0.4840

■ 55.5983, 0.2729,  
0.5021

■ 55.5756, 0.2731,  
0.5031

# Harmonies

## Analogous

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



68.6974, 0.3205, 0.3690



68.6974, 0.2967, 0.3551



68.6974, 0.2777, 0.3336

# Triad

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



68.6974, 0.2967, 0.3551



68.6974, 0.2824, 0.2891



68.6974, 0.3597, 0.3434

# Complementary

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



68.6974, 0.2967, 0.3551



54.0149, 0.3324, 0.3043

# 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.



68.6974, 0.3487, 0.3231



68.6974, 0.2967, 0.3551



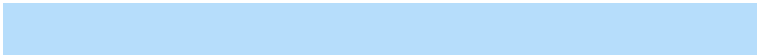
68.6974, 0.3035, 0.2926

# Square

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



68.6974, 0.2967, 0.3551



68.6974, 0.2697, 0.2957



68.6974, 0.3279, 0.3049



68.6974, 0.3574, 0.3610



# Rectangle

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



68.6974, 0.2967, 0.3551



68.6974, 0.2700, 0.3186



68.6974, 0.3279, 0.3049



68.6974, 0.3574, 0.3367

# Sweetspot

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



68.7003, 0.2967, 0.3551



96.7293, 0.3077, 0.3365



70.7123, 0.3263, 0.3797



20.6310, 0.3071, 0.3374



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

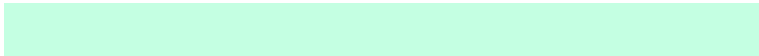


# Same Dimension

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



68.7003, 0.2967, 0.3551



88.7739, 0.2938, 0.3607



69.7907, 0.2841, 0.3298



15.4509, 0.3048, 0.3410



31.7334, 0.2723, 0.5003



2.2177, 0.2645, 0.4721



# Inverse Universe

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



54.0149, 0.3324, 0.3043



66.3731, 0.3371, 0.2993



53.0632, 0.3503, 0.3283



13.8144, 0.3214, 0.3173



9.9302, 0.4949, 0.2500

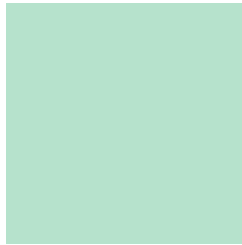


0.7064, 0.4609, 0.2313



# Previews

## White Background



This preview shows how the Yxy color 68.6974, 0.2967, 0.3551 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

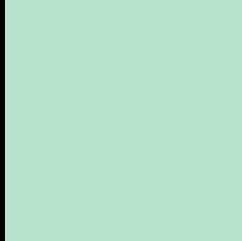
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.6974, 0.2967, 0.3551 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

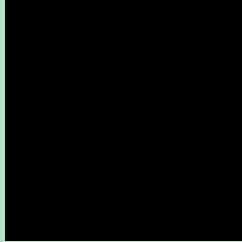
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

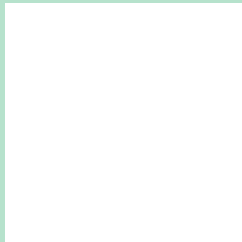
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.6974, 0.2967, 0.3551**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.6974, 0.2967, 0.3551.

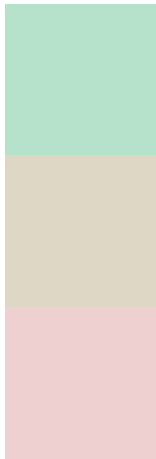


This preview shows how white text looks on a background with the Yxy color 68.6974, 0.2967, 0.3551.

# 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

68.6974, 0.2967, 0.3551

### Protanopia

68.3661, 0.3304, 0.3479

### Deuteranopia

68.0165, 0.3364, 0.3291



## Tritanopia

68.6363, 0.2795, 0.3086

# Trichromacy



**Original Color**

68.6974, 0.2967, 0.3551

**Protanomaly**

68.2431, 0.3175, 0.3507

**Deuteranomaly**

68.0113, 0.3204, 0.3379

**Tritanomaly**

68.7054, 0.2860, 0.3255

# Monochromacy



**Original Color**

68.6974, 0.2967, 0.3551

**Achromatopsia**

64.4480, 0.3127, 0.3290

**Achromatomaly**

65.9452, 0.3065, 0.3383

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.6974, 0.2967, 0.3551 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, 226, 204)` looks like.

```
.text, #text, p{  
    color:rgb(182, 226, 204)  
}
```

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, 226, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 226, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 68.6974, 0.2967, 0.3551 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, 226, 204) }
```

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

```
.border{ border-color:rgb(182, 226, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 226, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 226, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 226, 204);  
box-shadow:4px 4px 4px 4px rgb(182, 226,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.6974, 0.2967, 0.3551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 226, 204) }
```

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

```
.background{ background-color: rgb(182,  
226, 204) }
```

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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