

# Converting Colors

$Yxy(70.1170, 0.3038, 0.3614)$

Have a look what the booklet for  
Yxy(70.1170, 0.3038, 0.3614)  
contains.

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# **Color**

**Yxy(69.9271, 0.3038, 0.3607)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDE3C8
RGB	189, 227, 200
RGB Percent	74%, 89%, 78%
CMY	0.2585, 0.1099, 0.2156
CMYK	0.17, 0.00, 0.12, 0.11
HSL	137°, 40%, 82%
HSV	137°, 17%, 89%
XYZ	58.8962, 69.9271, 65.0417
YIQ	212.5600, -13.9810, -16.4530

# Conversions

## Conversions Part 2

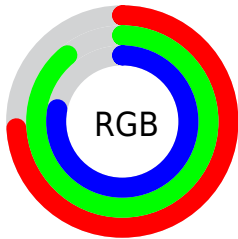
Format	Color
<b>RYB</b>	189, 218, 227
Decimal	12444616
CIELab	86.96, -17.53, 9.08
CIELCh	87, 19.739, 152.610
Yxy	69.9271, 0.3038, 0.3607
Android (android.graphics.Color)	4290634696 (0xFFBDE3C8)
YUV	212.5600, -6.1921, -20.6621
Hunter-Lab	83.6224, -20.6198, 12.4198

# Details

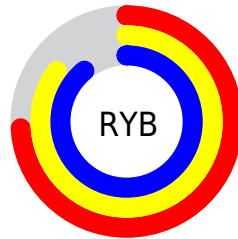
The Yxy color **69.9271, 0.3038, 0.3607** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.7197, 0.3230, 0.2993**, and the grayscale version is **66.2907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **36.7313, 0.3012, 0.3696** is the 20% darker color. If you saturate the color by 10%, you get **66.5333, 0.2986, 0.3828**, and if you desaturate by 10%, it is **73.8610, 0.3091, 0.3409**.

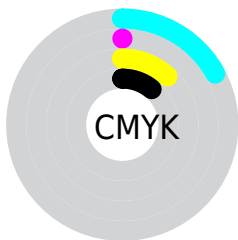
# Distribution



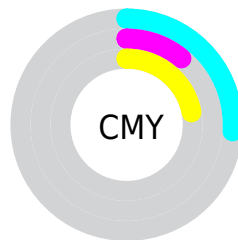
- Red (74%)
- Green (89%)
- Blue (78%)



- Red (74%)
- Yellow (85%)
- Blue (89%)



- Cyan (17%)
- Magenta (0%)
- Yellow (12%)
- Black (11%)




- Cyan (26%)
- Magenta (11%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9271, 0.3038, 0.3607 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 69.9271, 0.3038, 0.3607 by changing the saturation by 10% instead.





 69.9271, 0.3038,  
0.3607

 69.9271, 0.3038,  
0.3607


460.2940, 0.3081,  
0.3456

 51.4671, 0.3028,  
0.3643


 119.1048, 0.3053,  
0.3554

 36.5805, 0.3014,  
0.3688


150.5913, 0.3059,  
0.3533

 24.8828, 0.2997,  
0.3745


187.1887, 0.3064,  
0.3516

 15.9898, 0.2974,  
0.3823

229.2815, 0.3069,  
0.3500

 9.5169, 0.2941,  
0.3932

277.2540, 0.3072,  
0.3487

 5.0799, 0.2890,  
0.4097

331.4907, 0.3076,

 2.2942, 0.2801,

0.3475

0.4374

392.3759, 0.3079,  
0.3465

0.7706, 0.2381,  
0.6023

0.0000, 0.0000,  
0.0000

69.9271, 0.3038,  
0.3607

69.9271, 0.3038,  
0.3607

66.5333, 0.2986,  
0.3828

73.8610, 0.3091,  
0.3409

63.6472, 0.2939,  
0.4070

78.3481, 0.3145,  
0.3235

61.2463, 0.2898,  
0.4331

82.9969, 0.3182,  
0.3081

59.3033, 0.2867,  
0.4604

83.4102, 0.3140,  
0.3019

■ 57.7876, 0.2850,  
0.4879

■ 56.6651, 0.2848,  
0.5143

■ 55.8961, 0.2862,  
0.5383

■ 55.4306, 0.2891,  
0.5586

■ 55.3170, 0.2901,  
0.5645

# Harmonies

## Analogous

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



69.9271, 0.3280, 0.3711



69.9271, 0.3038, 0.3607



69.9271, 0.2826, 0.3407

# Triad

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



69.9271, 0.3038, 0.3607



69.9271, 0.2772, 0.2899



69.9271, 0.3578, 0.3372

# Complementary

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



69.9271, 0.3038, 0.3607



57.7197, 0.3230, 0.2993

# 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.



69.9271, 0.3432, 0.3169



69.9271, 0.3038, 0.3607



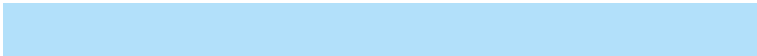
69.9271, 0.2962, 0.2903

# Square

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



69.9271, 0.3038, 0.3607



69.9271, 0.2677, 0.2996



69.9271, 0.3204, 0.3001



69.9271, 0.3598, 0.3562



# Rectangle

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



69.9271, 0.3038, 0.3607



69.9271, 0.2728, 0.3255



69.9271, 0.3204, 0.3001



69.9271, 0.3542, 0.3303

# Sweetspot

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



69.9301, 0.3038, 0.3607



97.0908, 0.3100, 0.3379



73.2443, 0.3299, 0.3714



20.6971, 0.3096, 0.3392



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

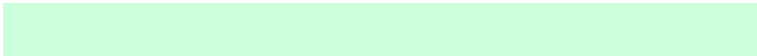


# Same Dimension

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



69.9301, 0.3038, 0.3607



89.4563, 0.3020, 0.3680



70.8620, 0.2924, 0.3384



16.1572, 0.3077, 0.3462



32.2833, 0.2894, 0.5619



2.4013, 0.2813, 0.5328



# Inverse Universe

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



57.7197, 0.3230, 0.2993



70.7546, 0.3254, 0.2929



56.8036, 0.3378, 0.3198



14.5407, 0.3182, 0.3124



11.0575, 0.4100, 0.2032

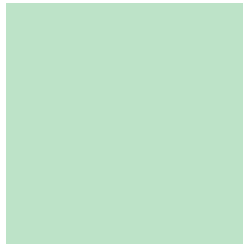


0.8330, 0.3939, 0.1944



# Previews

## White Background



This preview shows how the Yxy color 69.9271, 0.3038, 0.3607 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 69.9271, 0.3038, 0.3607 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

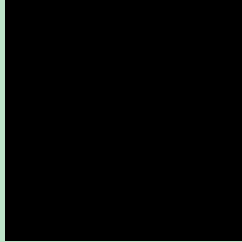
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

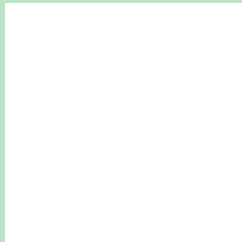
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.9271, 0.3038, 0.3607**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.9271, 0.3038, 0.3607.

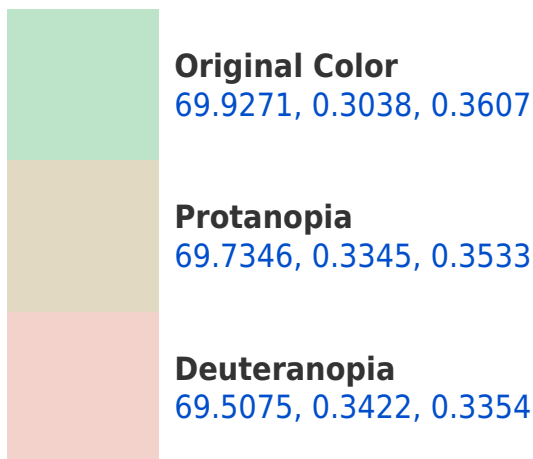


This preview shows how white text looks on a background with the Yxy color 69.9271, 0.3038, 0.3607.

# 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

69.6807, 0.2846, 0.3089

# Trichromacy



**Original Color**

69.9271, 0.3038, 0.3607

**Protanomaly**

69.8903, 0.3229, 0.3561

**Deuteranomaly**

69.1115, 0.3268, 0.3434

**Tritanomaly**

69.5491, 0.2911, 0.3267

# Monochromacy



**Original Color**

69.9271, 0.3038, 0.3607

**Achromatopsia**

66.5387, 0.3127, 0.3290

**Achromatomaly**

67.5342, 0.3093, 0.3404

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.9271, 0.3038, 0.3607 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(189, 227, 200)` looks like.

```
.text, #text, p{  
    color:rgb(189, 227, 200)  
}
```

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(189, 227, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 227, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 69.9271, 0.3038, 0.3607 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(189, 227, 200) }
```

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

```
.border{ border-color:rgb(189, 227, 200) }
```

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

Here you see how a box with a 4 pixel rgb(189, 227, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 227, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 227, 200);  
box-shadow:4px 4px 4px 4px rgb(189, 227,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.9271, 0.3038, 0.3607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 227, 200) }
```

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

```
.background{ background-color: rgb(189,  
227, 200) }
```

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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