

# Converting Colors

$Yxy(68.2909, 0.3028, 0.3679)$

Have a look what the booklet for  
Yxy(68.2909, 0.3028, 0.3679)  
contains.

<b>Yxy(68.2328, 0.3028, 0.3674)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(68.2328, 0.3028, 0.3674)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6E2C2
RGB	182, 226, 194
RGB Percent	71%, 89%, 76%
CMY	0.2861, 0.1138, 0.2392
CMYK	0.19, 0.00, 0.14, 0.11
HSL	136°, 43%, 80%
HSV	136°, 19%, 89%
XYZ	56.2354, 68.2328, 61.2498
YIQ	209.1960, -15.9520, -19.2800

# Conversions

## Conversions Part 2

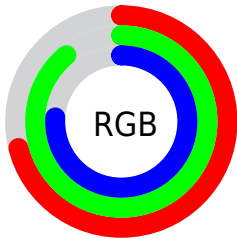
Format	Color
<a href="#">RYB</a>	<a href="#">182, 217, 226</a>
Decimal	<a href="#">11985602</a>
CIELab	<a href="#">86.12, -20.43, 10.97</a>
CIELCh	<a href="#">86, 23.192, 151.758</a>
Yxy	<a href="#">68.2328, 0.3028, 0.3674</a>
Android (android.graphics.Color)	<a href="#">4290175682 (0xFFB6E2C2)</a>
YUV	<a href="#">209.1960, -7.4916, -23.8509</a>
Hunter-Lab	<a href="#">82.6031, -23.0345, 13.8590</a>

# Details

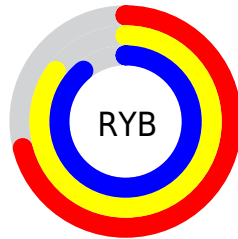
The Yxy color **68.2328, 0.3028, 0.3674** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **54.5029, 0.3244, 0.2934**, and the grayscale version is **63.9608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6622, 0.3046, 0.3329**, and **35.6085, 0.3000, 0.3788** is the 20% darker color. If you saturate the color by 10%, you get **65.0027, 0.2979, 0.3906**, and if you desaturate by 10%, it is **71.9945, 0.3079, 0.3465**.

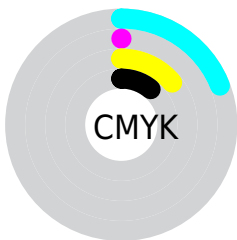
# Distribution



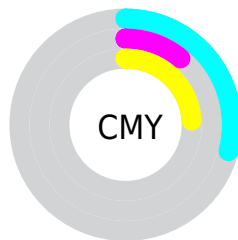
- Red (71%)
- Green (89%)
- Blue (76%)



- Red (71%)
- Yellow (85%)
- Blue (89%)



- Cyan (19%)
- Magenta (0%)
- Yellow (14%)
- Black (11%)




- Cyan (29%)
- Magenta (11%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.2328, 0.3028, 0.3674 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 68.2328, 0.3028, 0.3674 by changing the saturation by 10% instead.



 68.2328, 0.3028,  
0.3674

 68.2328, 0.3028,  
0.3674


454.3204, 0.3077,  
0.3489

 50.0872, 0.3016,  
0.3718


 116.6851, 0.3046,  
0.3608

 35.4827, 0.3001,  
0.3774


147.7606, 0.3052,  
0.3583

 24.0349, 0.2981,  
0.3846


183.9148, 0.3058,  
0.3562

 15.3595, 0.2953,  
0.3943

225.5321, 0.3063,  
0.3543

 9.0721, 0.2914,  
0.4080

272.9969, 0.3067,  
0.3527

 4.7882, 0.2851,  
0.4291


326.6936, 0.3071,

 2.1236, 0.2738,


0.3513


0.4651


387.0067, 0.3074,  
0.3500


 0.6778, 0.1767,  
0.8233


 0.0000, 0.0000,  
0.0000


 68.2328, 0.3028,  
0.3674


 68.2328, 0.3028,  
0.3674


 65.0027, 0.2979,  
0.3906


 71.9945, 0.3079,  
0.3465

 62.2717, 0.2935,  
0.4160

 76.3017, 0.3130,  
0.3280

 60.0169, 0.2898,  
0.4431

 81.1781, 0.3180,  
0.3118

 58.2102, 0.2872,  
0.4711

 82.8684, 0.3140,  
0.3009

■ 56.8203, 0.2859,  
0.4989

■ 55.8118, 0.2862,  
0.5250

■ 55.1433, 0.2880,  
0.5481

■ 54.7488, 0.2910,  
0.5671

■ 54.7306, 0.2911,  
0.5680

# Harmonies

## Analogous

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



68.2328, 0.3314, 0.3794



68.2328, 0.3028, 0.3674



68.2328, 0.2777, 0.3436

# Triad

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



68.2328, 0.3028, 0.3674



68.2328, 0.2703, 0.2830



68.2328, 0.3660, 0.3376

# Complementary

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



68.2328, 0.3028, 0.3674



54.5029, 0.3244, 0.2934

# 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.



68.2328, 0.3482, 0.3140



68.2328, 0.3028, 0.3674



68.2328, 0.2924, 0.2834

# Square

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



68.2328, 0.3028, 0.3674



68.2328, 0.2596, 0.2946



68.2328, 0.3208, 0.2946



68.2328, 0.3687, 0.3603



# Rectangle

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



68.2328, 0.3028, 0.3674



68.2328, 0.2660, 0.3253



68.2328, 0.3208, 0.2946



68.2328, 0.3616, 0.3296

# Sweetspot

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



68.2357, 0.3028, 0.3674



96.5161, 0.3096, 0.3400



72.1057, 0.3332, 0.3787



20.5807, 0.3093, 0.3412



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

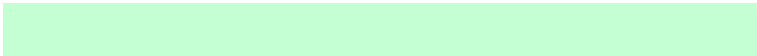


# Same Dimension

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



68.2357, 0.3028, 0.3674



88.0718, 0.3010, 0.3758



69.2846, 0.2897, 0.3410



15.3982, 0.3079, 0.3465



31.2434, 0.2904, 0.5654



2.1804, 0.2819, 0.5348



# Inverse Universe

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



54.5029, 0.3244, 0.2934



67.1324, 0.3270, 0.2864



53.4653, 0.3422, 0.3174



13.8687, 0.3179, 0.3121



10.7848, 0.4039, 0.1999

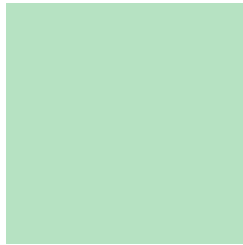


0.7623, 0.3882, 0.1912



# Previews

## White Background



This preview shows how the Yxy color 68.2328, 0.3028, 0.3674 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

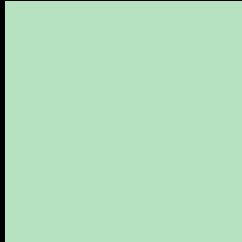
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.2328, 0.3028, 0.3674 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

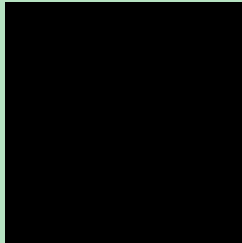
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

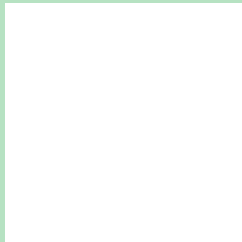
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.2328, 0.3028, 0.3674**

## Background



This preview shows how black text looks on a background with the Yxy color 68.2328, 0.3028, 0.3674.

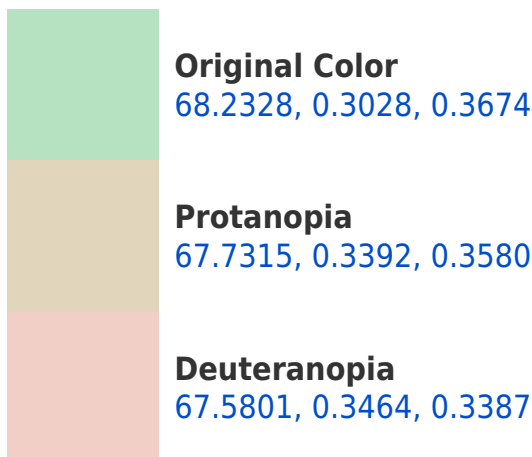


This preview shows how white text looks on a background with the Yxy color 68.2328, 0.3028, 0.3674.

# 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

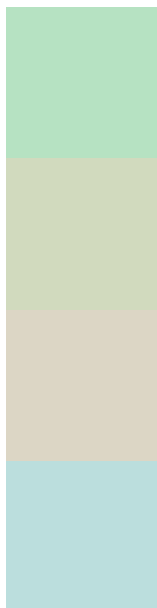




## Tritanopia

68.2480, 0.2818, 0.3097

# Trichromacy



## Original Color

68.2328, 0.3028, 0.3674

## Protanomaly

67.4158, 0.3251, 0.3613

## Deuteranomaly

67.3400, 0.3290, 0.3481

## Tritanomaly

68.0278, 0.2895, 0.3301

# Monochromacy



## Original Color

68.2328, 0.3028, 0.3674

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

65.1026, 0.3085, 0.3418

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.2328, 0.3028, 0.3674 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, 194)` looks like.

```
.text, #text, p{  
    color:rgb(182, 226, 194)  
}
```

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, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 226, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 68.2328, 0.3028, 0.3674 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, 194) }
```

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

```
.border{ border-color:rgb(182, 226, 194) }
```

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, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 226, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 226, 194);  
box-shadow:4px 4px 4px 4px rgb(182, 226,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.2328, 0.3028, 0.3674 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, 194) }
```

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

```
.background{ background-color: rgb(182,  
226, 194) }
```

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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