

# Converting Colors

Yxy(68.3119, 0.3313, 0.3964)

Have a look what the booklet for  
Yxy(68.3119, 0.3313, 0.3964)  
contains.

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# Color

**Yxy(68.1071, 0.3314, 0.3966)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6E0A7
RGB	198, 224, 167
RGB Percent	78%, 88%, 65%
CMY	0.2237, 0.1215, 0.3451
CMYK	0.12, 0.00, 0.25, 0.12
HSL	87°, 48%, 77%
HSV	87°, 25%, 88%
XYZ	56.9105, 68.1071, 46.7099
YIQ	209.7280, 2.8010, -23.2390

# Conversions

## Conversions Part 2

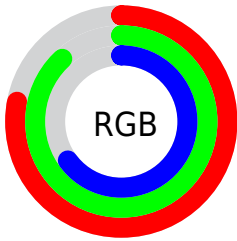
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">167, 224, 193</a>
Decimal	<a href="#">13033639</a>
CIELab	<a href="#">86.06, -18.49, 25.13</a>
CIELCh	<a href="#">86, 31.195, 126.345</a>
Yxy	<a href="#">68.1071, 0.3314, 0.3966</a>
Android (android.graphics.Color)	<a href="#">4291223719 (0xFFC6E0A7)</a>
YUV	<a href="#">209.7280, -21.0649, -10.2855</a>
Hunter-Lab	<a href="#">82.5270, -21.3291, 24.2111</a>

# Details

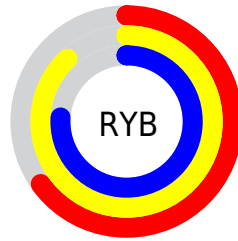
The Yxy color **68.1071, 0.3314, 0.3966** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.3715, 0.2897, 0.2608**, and the grayscale version is **64.3974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0539, 0.3321, 0.3611**, and **35.5430, 0.3351, 0.4138** is the 20% darker color. If you saturate the color by 10%, you get **66.0072, 0.3381, 0.4258**, and if you desaturate by 10%, it is **70.4506, 0.3242, 0.3686**.

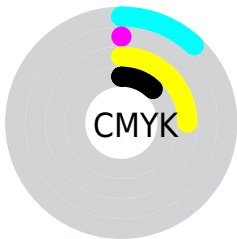
# Distribution



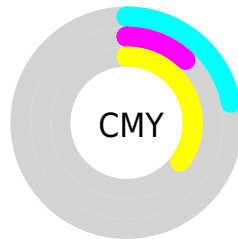
- Red (78%)
- Green (88%)
- Blue (65%)



- Red (65%)
- Yellow (88%)
- Blue (76%)



- Cyan (12%)
- Magenta (0%)
- Yellow (25%)
- Black (12%)



- Cyan (22%)
- Magenta (12%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1071, 0.3314, 0.3966 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 68.1071, 0.3314, 0.3966 by changing the saturation by 10% instead.



68.1071, 0.3314,  
0.3966

68.1071, 0.3314,  
0.3966

453.8754, 0.3233,  
0.3640

49.9849, 0.3331,  
0.4044

116.5053, 0.3287,  
0.3850

35.4014, 0.3351,  
0.4141

147.5501, 0.3276,  
0.3806

23.9722, 0.3374,  
0.4267

183.6713, 0.3267,  
0.3768

15.3130, 0.3401,  
0.4436

225.2531, 0.3258,  
0.3735

9.0394, 0.3430,  
0.4671

272.6800, 0.3251,  
0.3707

4.7669, 0.3455,  
0.5020

326.3365, 0.3244,

2.1111, 0.3628,

0.3682

0.5873

386.6068, 0.3238,  
0.3660

0.6709, 0.2174,  
0.7826

0.0000, 0.0000,  
0.0000

68.1071, 0.3314,  
0.3966

68.1071, 0.3314,  
0.3966

66.0072, 0.3381,  
0.4258

70.4506, 0.3242,  
0.3686

64.1327, 0.3438,  
0.4553


73.0375, 0.3168,  
0.3424


62.4766, 0.3480,  
0.4839


75.8788, 0.3094,  
0.3183

61.0281, 0.3504,  
0.5102


78.8778, 0.3032,  
0.2979


 59.7751, 0.3506,  
0.5328

 80.7107, 0.3101,  
0.2986

 58.7038, 0.3485,  
0.5504

 81.8004, 0.3141,  
0.2990

 57.7976, 0.3441,  
0.5626

 57.4281, 0.3418,  
0.5668

# Harmonies

## Analogous

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



68.1071, 0.3659, 0.3942



68.1071, 0.3314, 0.3966



68.1071, 0.2933, 0.3774

# Triad

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



68.1071, 0.3314, 0.3966



68.1071, 0.2434, 0.2792



68.1071, 0.3653, 0.3133

# Complementary

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



68.1071, 0.3314, 0.3966



44.3715, 0.2897, 0.2608

# 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.



68.1071, 0.3293, 0.2869



68.1071, 0.3314, 0.3966



68.1071, 0.2598, 0.2670

# Square

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



68.1071, 0.3314, 0.3966



68.1071, 0.2439, 0.3062



68.1071, 0.2906, 0.2702



68.1071, 0.3867, 0.3444



# Rectangle

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



68.1071, 0.3314, 0.3966



68.1071, 0.2709, 0.3552



68.1071, 0.2906, 0.2702



68.1071, 0.3543, 0.3037

# Sweetspot

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



68.1101, 0.3314, 0.3966



97.0287, 0.3187, 0.3491



56.6317, 0.3593, 0.3588



20.6538, 0.3198, 0.3530



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

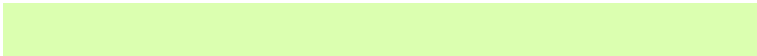


# Same Dimension

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



68.1101, 0.3314, 0.3966



89.6903, 0.3353, 0.4134



64.6414, 0.3113, 0.4009



15.7019, 0.3197, 0.3527



33.4908, 0.3428, 0.5660



2.3744, 0.3541, 0.5571



# Inverse Universe

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



44.3715, 0.2897, 0.2608



52.2621, 0.2832, 0.2436



48.4224, 0.3132, 0.2654



13.5487, 0.3052, 0.3053



4.8578, 0.1946, 0.0846

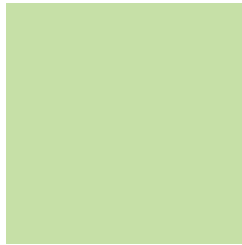


0.3895, 0.2118, 0.0941



# Previews

## White Background



This preview shows how the Yxy color 68.1071, 0.3314, 0.3966 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 68.1071, 0.3314, 0.3966 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

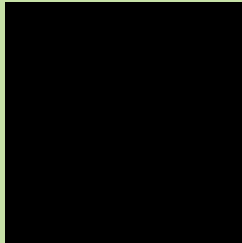
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.1071, 0.3314, 0.3966**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.1071, 0.3314, 0.3966.



This preview shows how white text looks on a background with the Yxy color 68.1071, 0.3314, 0.3966.

# 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

68.1071, 0.3314, 0.3966

### Protanopia

68.0682, 0.3609, 0.3866

### Deuteranopia

67.5921, 0.3746, 0.3659



## Tritanopia

67.8370, 0.2966, 0.3101

# Trichromacy



**Original Color**

68.1071, 0.3314, 0.3966

**Protanomaly**

67.7286, 0.3500, 0.3906

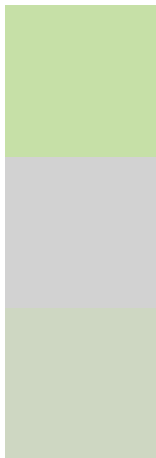
**Deuteranomaly**

67.6466, 0.3580, 0.3765

**Tritanomaly**

67.5342, 0.3093, 0.3404

# Monochromacy



**Original Color**

68.1071, 0.3314, 0.3966

**Achromatopsia**

64.4480, 0.3127, 0.3290

**Achromatomaly**

65.6177, 0.3204, 0.3534

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.1071, 0.3314, 0.3966 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(198, 224, 167)` looks like.

```
.text, #text, p{  
    color:rgb(198, 224, 167)  
}
```

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(198, 224, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 224, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 68.1071, 0.3314, 0.3966 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(198, 224, 167) }
```

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

```
.border{ border-color:rgb(198, 224, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 224, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 224, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 224, 167);  
box-shadow:4px 4px 4px 4px rgb(198, 224,  
167) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.1071, 0.3314, 0.3966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 224, 167) }
```

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

```
.background{ background-color: rgb(198,  
224, 167) }
```

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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