

# Converting Colors

$Yxy(70.6209, 0.3343, 0.4027)$

Have a look what the booklet for  
Yxy(70.6209, 0.3343, 0.4027)  
contains.

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# Color

**Yxy(70.6209, 0.3343, 0.4027)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C9E4A5
RGB	201, 228, 165
RGB Percent	79%, 89%, 65%
CMY	0.2116, 0.1059, 0.3531
CMYK	0.12, 0.00, 0.28, 0.11
HSL	86°, 54%, 77%
HSV	86°, 28%, 89%
XYZ	58.6257, 70.6209, 46.1219
YIQ	212.7450, 4.1310, -25.3170

# Conversions

## Conversions Part 2

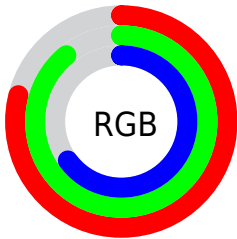
Format	Color
<a href="#">RYB</a>	<a href="#">165, 228, 192</a>
Decimal	<a href="#">13231269</a>
CIELab	<a href="#">87.30, -19.64, 27.90</a>
CIELCh	<a href="#">87, 34.122, 125.146</a>
Yxy	<a href="#">70.6209, 0.3343, 0.4027</a>
Android (android.graphics.Color)	<a href="#">4291421349 (0xFFC9E4A5)</a>
YUV	<a href="#">212.7450, -23.5383, -10.3004</a>
Hunter-Lab	<a href="#">84.0362, -22.5376, 26.2850</a>

# Details

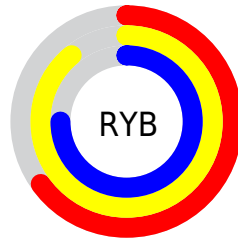
The Yxy color **70.6209, 0.3343, 0.4027** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **43.6981, 0.2857, 0.2539**, and the grayscale version is **66.5215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9473, 0.3333, 0.3631**, and **37.1904, 0.3376, 0.4217** is the 20% darker color. If you saturate the color by 10%, you get **68.5569, 0.3413, 0.4318**, and if you desaturate by 10%, it is **72.9249, 0.3267, 0.3746**.

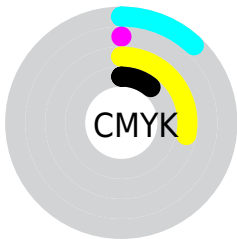
# Distribution



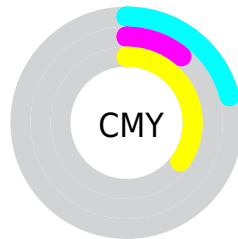
- Red (79%)
- Green (89%)
- Blue (65%)



- Red (65%)
- Yellow (89%)
- Blue (75%)



- Cyan (12%)
- Magenta (0%)
- Yellow (28%)
- Black (11%)




- Cyan (21%)
- Magenta (11%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6209, 0.3343, 0.4027 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 70.6209, 0.3343, 0.4027 by changing the saturation by 10% instead.





 70.6209, 0.3343,  
0.4027

 70.6209, 0.3343,  
0.4027


462.7271, 0.3250,  
0.3673

 52.0329, 0.3362,  
0.4111


 120.0938, 0.3312,  
0.3902

 37.0313, 0.3384,  
0.4215


 151.7474, 0.3300,  
0.3854

 25.2317, 0.3410,  
0.4349

188.5251, 0.3289,  
0.3813

 16.2498, 0.3439,  
0.4528

230.8111, 0.3280,  
0.3777

 9.7011, 0.3470,  
0.4774

278.9899, 0.3271,  
0.3746

 5.2012, 0.3495,  
0.5133

333.4459, 0.3263,

 2.3658, 0.3664,

0.3719

0.5995

394.5635, 0.3256,  
0.3695

0.8082, 0.2632,  
0.7368

0.0000, 0.0000,  
0.0000

70.6209, 0.3343,  
0.4027

70.6209, 0.3343,  
0.4027

68.5569, 0.3413,  
0.4318

72.9249, 0.3267,  
0.3746

66.7143, 0.3472,  
0.4608

75.4686, 0.3188,  
0.3480

65.0859, 0.3516,  
0.4885

78.2632, 0.3109,  
0.3234

63.6604, 0.3540,  
0.5136

81.2412, 0.3039,  
0.3020

■ 62.4255, 0.3540,  
0.5346

■ 82.9953, 0.3104,  
0.3026

■ 61.3664, 0.3517,  
0.5506

■ 83.9669, 0.3139,  
0.3029

■ 60.4642, 0.3472,  
0.5613

■ 60.2680, 0.3461,  
0.5634

# Harmonies

## Analogous

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



70.6209, 0.3712, 0.3987



70.6209, 0.3343, 0.4027



70.6209, 0.2931, 0.3828

# Triad

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



70.6209, 0.3343, 0.4027



70.6209, 0.2378, 0.2760



70.6209, 0.3682, 0.3107

# Complementary

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



70.6209, 0.3343, 0.4027



43.6981, 0.2857, 0.2539

# Split Complementary

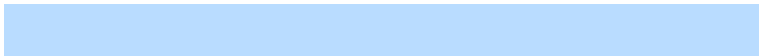
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.6209, 0.3288, 0.2828



70.6209, 0.3343, 0.4027



70.6209, 0.2547, 0.2625

# Square

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



70.6209, 0.3343, 0.4027



70.6209, 0.2392, 0.3055



70.6209, 0.2872, 0.2655



70.6209, 0.3923, 0.3439



# Rectangle

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



70.6209, 0.3343, 0.4027



70.6209, 0.2689, 0.3590



70.6209, 0.2872, 0.2655



70.6209, 0.3562, 0.3005

# Sweetspot

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



70.6240, 0.3343, 0.4027



97.1370, 0.3191, 0.3490



56.5718, 0.3648, 0.3592



20.6811, 0.3203, 0.3530



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

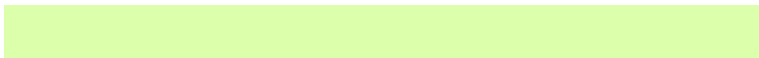


# Same Dimension

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



70.6240, 0.3343, 0.4027



89.5138, 0.3383, 0.4188



66.7729, 0.3125, 0.4079



16.4941, 0.3202, 0.3527



34.8722, 0.3471, 0.5626



2.6315, 0.3573, 0.5545



# Inverse Universe

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



43.6981, 0.2857, 0.2539



49.5337, 0.2790, 0.2371



48.1477, 0.3115, 0.2594



14.1871, 0.3047, 0.3052



4.7864, 0.1893, 0.0817

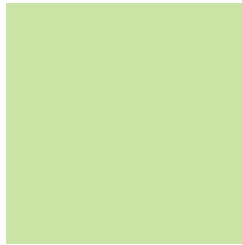


0.4076, 0.2057, 0.0907



# Previews

## White Background



This preview shows how the Yxy color 70.6209, 0.3343, 0.4027 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 70.6209, 0.3343, 0.4027 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 70.6209, 0.3343, 0.4027**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.6209, 0.3343, 0.4027.

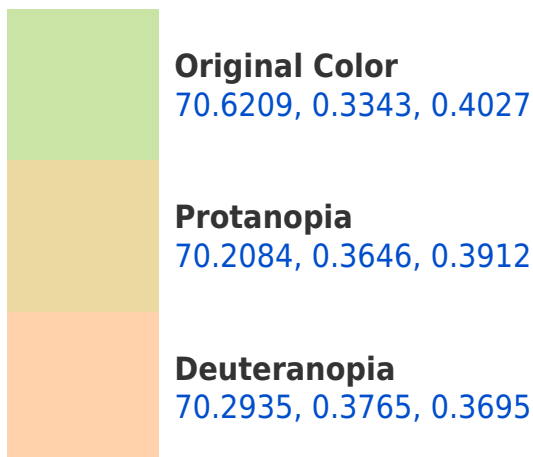


This preview shows how white text looks on a background with the Yxy color 70.6209, 0.3343, 0.4027.

# 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

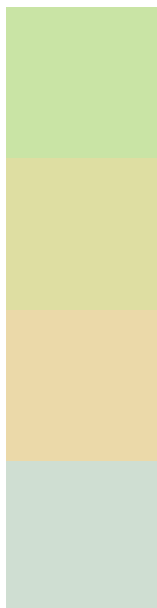




## Tritanopia

70.5680, 0.2962, 0.3104

# Trichromacy



## Original Color

70.6209, 0.3343, 0.4027

## Protanomaly

70.3808, 0.3534, 0.3963

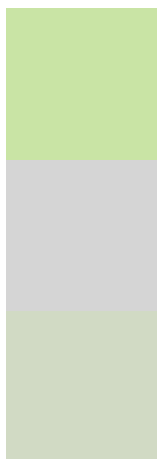
## Deuteranomaly

70.1524, 0.3600, 0.3813

## Tritanomaly

70.1611, 0.3100, 0.3426

# Monochromacy



## Original Color

70.6209, 0.3343, 0.4027

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

67.6836, 0.3210, 0.3542

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.6209, 0.3343, 0.4027 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(201, 228, 165)` looks like.

```
.text, #text, p{  
    color:rgb(201, 228, 165)  
}
```

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(201, 228, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 228, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 70.6209, 0.3343, 0.4027 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(201, 228, 165) }
```

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

```
.border{ border-color:rgb(201, 228, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 228, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 228, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 228, 165);  
box-shadow:4px 4px 4px 4px rgb(201, 228,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.6209, 0.3343, 0.4027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 228, 165) }
```

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

```
.background{ background-color: rgb(201,  
228, 165) }
```

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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