

# Converting Colors

$Yxy(70.5593, 0.3112, 0.3835)$

Have a look what the booklet for  
Yxy(70.5593, 0.3112, 0.3835)  
contains.

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# **Color**

**Yxy(70.4934, 0.3115, 0.3839)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAE6B8
RGB	186, 230, 184
RGB Percent	73%, 90%, 72%
CMY	0.2705, 0.0980, 0.2785
CMYK	0.19, 0.00, 0.20, 0.10
HSL	117°, 48%, 81%
HSV	117°, 20%, 90%
XYZ	57.1990, 70.4934, 55.9320
YIQ	211.6000, -11.4580, -23.6340

# Conversions

## Conversions Part 2

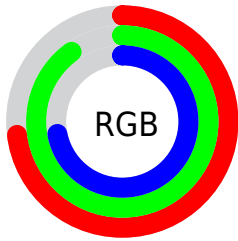
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 230, 228
Decimal	12248760
CIELab	87.24, -22.86, 17.82
CIELCh	87, 28.982, 142.055
Yxy	70.4934, 0.3115, 0.3839
Android (android.graphics.Color)	4290438840 (0xFFBAE6B8)
YUV	211.6000, -13.6068, -22.4512
Hunter-Lab	83.9603, -25.3253, 19.2749

# Details

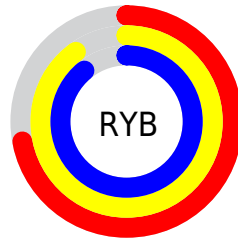
The Yxy color **70.4934, 0.3115, 0.3839** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.4805, 0.3134, 0.2792**, and the grayscale version is **65.6589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8660, 0.3139, 0.3438**, and **36.8163, 0.3104, 0.3975** is the 20% darker color. If you saturate the color by 10%, you get **67.0633, 0.3106, 0.4162**, and if you desaturate by 10%, it is **74.5101, 0.3122, 0.3548**.

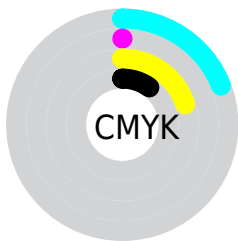
# Distribution



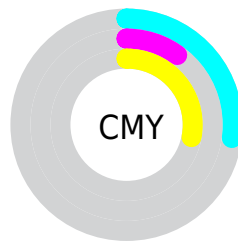
- Red (73%)
- Green (90%)
- Blue (72%)



- Red (72%)
- Yellow (90%)
- Blue (89%)



- Cyan (19%)
- Magenta (0%)
- Yellow (20%)
- Black (10%)




- Cyan (27%)
- Magenta (10%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4934, 0.3115, 0.3839 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 70.4934, 0.3115, 0.3839 by changing the saturation by 10% instead.





 70.4934, 0.3115,  
0.3839

 70.4934, 0.3115,  
0.3839


462.2805, 0.3125,  
0.3574

 51.9289, 0.3111,  
0.3902


 119.9121, 0.3120,  
0.3745

 36.9484, 0.3106,  
0.3981


151.5351, 0.3121,  
0.3709

 25.1675, 0.3098,  
0.4084

188.2797, 0.3122,  
0.3679

 16.2019, 0.3086,  
0.4222

230.5303, 0.3123,  
0.3652

 9.6671, 0.3065,  
0.4418

278.6712, 0.3124,  
0.3629

 5.1788, 0.3026,  
0.4713


333.0870, 0.3124,

 2.3526, 0.2942,

0.3609


0.5214


394.1620, 0.3125,  
0.3591


 0.8013, 0.2027,  
0.7973


 0.0000, 0.0000,  
0.0000


 70.4934, 0.3115,  
0.3839


 70.4934, 0.3115,  
0.3839

 67.0633, 0.3106,  
0.4162

 74.5101, 0.3122,  
0.3548

 64.1840, 0.3094,  
0.4509

 79.1295, 0.3127,  
0.3290

 61.8294, 0.3081,  
0.4866

 84.3784, 0.3131,  
0.3066

 59.9678, 0.3065,  
0.5211

 85.0756, 0.3138,  
0.3048

■ 58.5643, 0.3048,  
0.5517

■ 57.5792, 0.3032,  
0.5758

■ 56.9659, 0.3017,  
0.5916

■ 56.6609, 0.3007,  
0.5994

# Harmonies

## Analogous

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



70.4934, 0.3462, 0.3923



70.4934, 0.3115, 0.3839



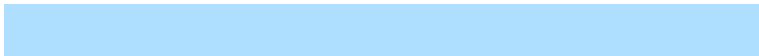
70.4934, 0.2784, 0.3578

# Triad

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



70.4934, 0.3115, 0.3839



70.4934, 0.2548, 0.2755



70.4934, 0.3735, 0.3296

# Complementary

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



70.4934, 0.3115, 0.3839



56.4805, 0.3134, 0.2792

# 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.



70.4934, 0.3463, 0.3021



70.4934, 0.3115, 0.3839



70.4934, 0.2776, 0.2716

# Square

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



70.4934, 0.3115, 0.3839



70.4934, 0.2469, 0.2937



70.4934, 0.3108, 0.2814



70.4934, 0.3832, 0.3584



# Rectangle

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



70.4934, 0.3115, 0.3839



70.4934, 0.2615, 0.3351



70.4934, 0.3108, 0.2814



70.4934, 0.3660, 0.3200

# Sweetspot

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



70.4964, 0.3115, 0.3839



96.3840, 0.3124, 0.3441



75.6073, 0.3433, 0.3764



20.5496, 0.3124, 0.3458



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

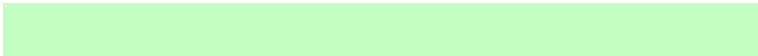


# Same Dimension

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



70.4964, 0.3115, 0.3839



87.2077, 0.3112, 0.3969



71.1777, 0.2976, 0.3587



16.1192, 0.3122, 0.3532



32.0908, 0.3010, 0.5992



2.3821, 0.3037, 0.5970



# Inverse Universe

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



56.4805, 0.3134, 0.2792



66.4679, 0.3135, 0.2687



55.7180, 0.3313, 0.3011



14.5812, 0.3131, 0.3058



11.8535, 0.3100, 0.1481

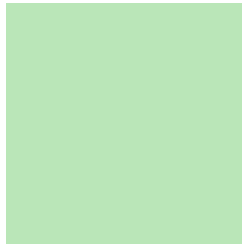


0.8860, 0.3117, 0.1491



# Previews

## White Background



This preview shows how the Yxy color 70.4934, 0.3115, 0.3839 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

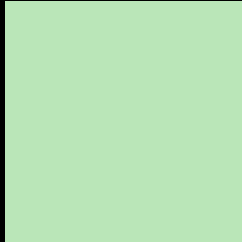
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.4934, 0.3115, 0.3839 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

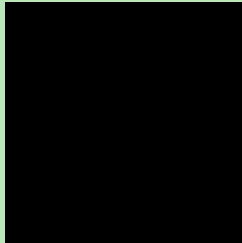
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

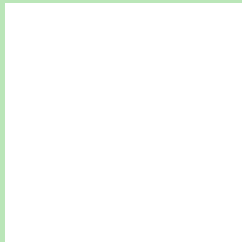
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.4934, 0.3115, 0.3839**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.4934, 0.3115, 0.3839.

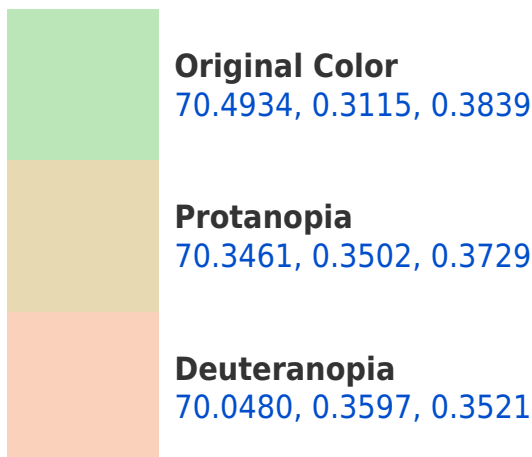


This preview shows how white text looks on a background with the Yxy color 70.4934, 0.3115, 0.3839.

# 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

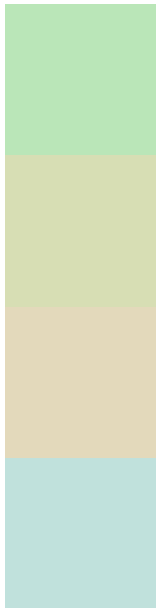




## Tritanopia

70.1359, 0.2834, 0.3089

# Trichromacy



**Original Color**

70.4934, 0.3115, 0.3839

**Protanomaly**

69.9849, 0.3358, 0.3767

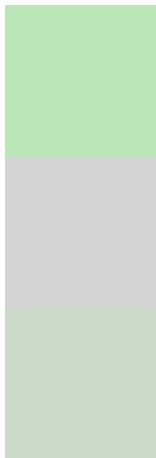
**Deuteranomaly**

69.5445, 0.3410, 0.3622

**Tritanomaly**

70.2242, 0.2935, 0.3347

# Monochromacy



**Original Color**

70.4934, 0.3115, 0.3839

**Achromatopsia**

65.8375, 0.3127, 0.3290

**Achromatomaly**

67.6238, 0.3125, 0.3486

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.4934, 0.3115, 0.3839 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(186, 230, 184)` looks like.

```
.text, #text, p{  
    color:rgb(186, 230, 184)  
}
```

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(186, 230, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 230, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 70.4934, 0.3115, 0.3839 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(186, 230, 184) }
```

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

```
.border{ border-color:rgb(186, 230, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 230, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 230, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 230, 184);  
box-shadow:4px 4px 4px 4px rgb(186, 230,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.4934, 0.3115, 0.3839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 230, 184) }
```

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

```
.background{ background-color: rgb(186,  
230, 184) }
```

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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