

# Converting Colors

$Yxy(78.7856, 0.3170, 0.4116)$

Have a look what the booklet for  
Yxy(78.7856, 0.3170, 0.4116)  
contains.

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# Color

**Yxy(78.9256, 0.3169, 0.4115)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBF5AE
RGB	187, 245, 174
RGB Percent	73%, 96%, 68%
CMY	0.2668, 0.0392, 0.3175
CMYK	0.24, 0.00, 0.29, 0.04
HSL	109°, 78%, 82%
HSV	109°, 29%, 96%
XYZ	60.7813, 78.9256, 52.0928
YIQ	219.5640, -11.7770, -34.3770

# Conversions

## Conversions Part 2

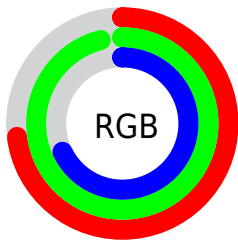
Format	Color
<a href="#">RYB</a>	<a href="#">174, 245, 232</a>
Decimal	<a href="#">12318126</a>
CIELab	<a href="#">91.20, -31.30, 28.40</a>
CIELCh	<a href="#">91, 42.267, 137.776</a>
Yxy	<a href="#">78.9256, 0.3169, 0.4115</a>
Android (android.graphics.Color)	<a href="#">4290508206 (0xFFBBF5AE)</a>
YUV	<a href="#">219.5640, -22.4631, -28.5586</a>
Hunter-Lab	<a href="#">88.8401, -33.3466, 27.4224</a>

# Details

The Yxy color **78.9256, 0.3169, 0.4115** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **54.0501, 0.3057, 0.2545**, and the grayscale version is **71.4146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4663, 0.3203, 0.3537**, and **42.2524, 0.3164, 0.4320** is the 20% darker color. If you saturate the color by 10%, you get **75.7057, 0.3176, 0.4449**, and if you desaturate by 10%, it is **82.6793, 0.3157, 0.3803**.

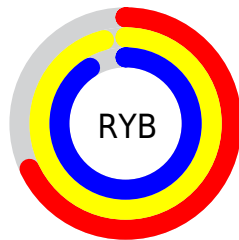
# Distribution



Red (73%)

Green (96%)

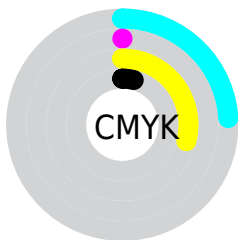
Blue (68%)



Red (68%)

Yellow (96%)

Blue (91%)

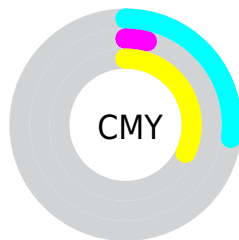


Cyan (24%)

Magenta (0%)

Yellow (29%)

Black (4%)



Cyan (27%)

Magenta (4%)


Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.9256, 0.3169, 0.4115 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 78.9256, 0.3169, 0.4115 by changing the saturation by 10% instead.





 78.9256, 0.3169,  
0.4115

 78.9256, 0.3169,  
0.4115

491.3046, 0.3160,  
0.3721

 58.8346, 0.3168,  
0.4208


 131.8541, 0.3168,  
0.3976

 42.4800, 0.3166,  
0.4323


165.4605, 0.3167,  
0.3923

 29.4773, 0.3160,  
0.4471


204.3407, 0.3166,  
0.3877

 19.4422, 0.3148,  
0.4667

248.8793, 0.3165,  
0.3837

 11.9902, 0.3123,  
0.4937

299.4606, 0.3164,  
0.3803

 6.7370, 0.3069,  
0.5330


356.4690, 0.3163,


 3.2982, 0.2970,


0.3772


0.5995


420.2888, 0.3161,  
0.3745

 1.2893, 0.2433,  
0.7567


 0.1329, 0.0000,  
1.0000

 78.9256, 0.3169,  
0.4115

 78.9256, 0.3169,  
0.4115


 75.7057, 0.3176,  
0.4449

 82.6793, 0.3157,  
0.3803


 72.9853, 0.3176,  
0.4792

 86.9789, 0.3142,  
0.3519

 70.7420, 0.3168,  
0.5126

 91.8492, 0.3125,  
0.3265

 68.9475, 0.3150,  
0.5429

 93.7917, 0.3132,  
0.3195

■ 67.5702, 0.3123,  
0.5677

■ 66.5745, 0.3090,  
0.5852

■ 65.9140, 0.3054,  
0.5951

■ 65.8609, 0.3051,  
0.5959

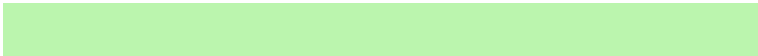
# Harmonies

## Analogous

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



78.9256, 0.3646, 0.4177



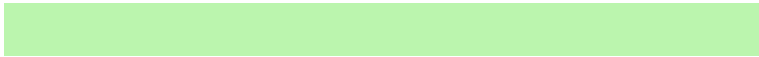
78.9256, 0.3169, 0.4115



78.9256, 0.2702, 0.3765

# Triad

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



78.9256, 0.3169, 0.4115



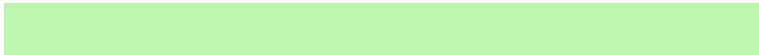
78.9256, 0.2304, 0.2570



78.9256, 0.3942, 0.3228

# Complementary

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



78.9256, 0.3169, 0.4115



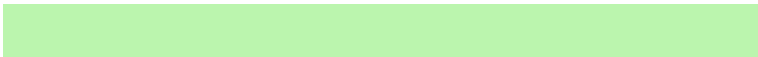
54.0501, 0.3057, 0.2545

# 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.



78.9256, 0.3528, 0.2871



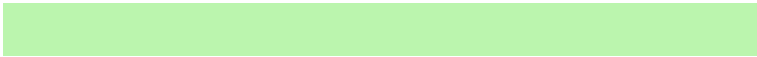
78.9256, 0.3169, 0.4115



78.9256, 0.2582, 0.2501

# Square

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



78.9256, 0.3169, 0.4115



78.9256, 0.2228, 0.2836



78.9256, 0.3022, 0.2612

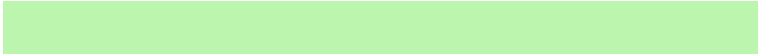


78.9256, 0.4117, 0.3622



# Rectangle

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



78.9256, 0.3169, 0.4115



78.9256, 0.2458, 0.3439



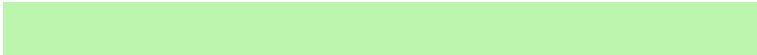
78.9256, 0.3022, 0.2612



78.9256, 0.3825, 0.3102

# Sweetspot

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



78.9290, 0.3169, 0.4115



95.2211, 0.3142, 0.3520



80.1848, 0.3600, 0.3893



20.2262, 0.3145, 0.3560



0.0000, 0.0000, 0.0000

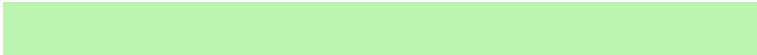


21.4041, 0.3127, 0.3290

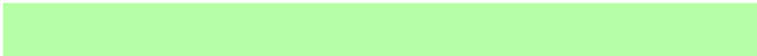


# Same Dimension

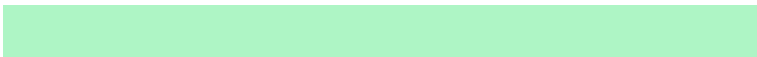
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.9290, 0.3169, 0.4115



84.2093, 0.3174, 0.4317



78.3235, 0.2963, 0.3859



18.6171, 0.3143, 0.3533



35.5194, 0.3058, 0.5954



3.1611, 0.3133, 0.5895



# Inverse Universe

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



54.0501, 0.3057, 0.2545



52.7086, 0.3037, 0.2384



55.0037, 0.3342, 0.2782



16.6068, 0.3109, 0.3055



10.2515, 0.2752, 0.1290

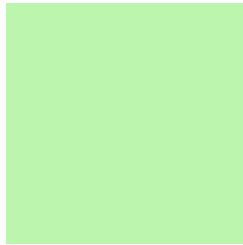


0.9398, 0.2812, 0.1323



# Previews

## White Background



This preview shows how the Yxy color 78.9256, 0.3169, 0.4115 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 78.9256, 0.3169, 0.4115 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

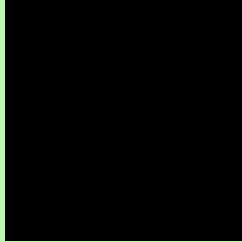
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

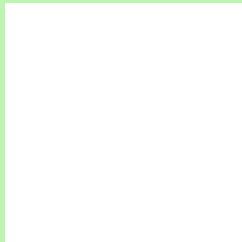
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.9256, 0.3169, 0.4115**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.9256, 0.3169, 0.4115.

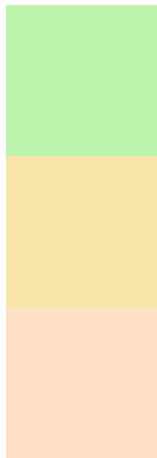


This preview shows how white text looks on a background with the Yxy color 78.9256, 0.3169, 0.4115.

# 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

78.9256, 0.3169, 0.4115

### Protanopia

78.4215, 0.3663, 0.3935

### Deuteranopia

78.1589, 0.3525, 0.3535



## Tritanopia

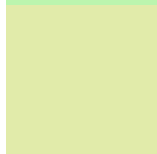
78.8518, 0.2795, 0.3086

# Trichromacy



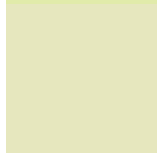
## Original Color

78.9256, 0.3169, 0.4115



## Protanomaly

78.3265, 0.3472, 0.3998



## Deuteranomaly

77.6925, 0.3386, 0.3732



## Tritanomaly

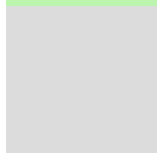
78.7713, 0.2929, 0.3445

# Monochromacy



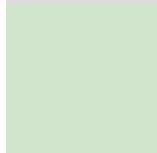
## Original Color

78.9256, 0.3169, 0.4115



## Achromatopsia

71.5694, 0.3127, 0.3290



## Achromatomaly

73.7603, 0.3148, 0.3582

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.9256, 0.3169, 0.4115 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(187, 245, 174)` looks like.

```
.text, #text, p{  
    color:rgb(187, 245, 174)  
}
```

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(187, 245, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 245, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 78.9256, 0.3169, 0.4115 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(187, 245, 174) }
```

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

```
.border{ border-color:rgb(187, 245, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 245, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 245, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 245, 174);  
box-shadow:4px 4px 4px 4px rgb(187, 245,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.9256, 0.3169, 0.4115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 245, 174) }
```

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

```
.background{ background-color: rgb(187,  
245, 174) }
```

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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