

# Converting Colors

Yxy(80.3671, 0.3169, 0.3900)

Have a look what the booklet for  
Yxy(80.3671, 0.3169, 0.3900)  
contains.

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# Color

**Yxy(80.0547, 0.3169, 0.3900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8F3BD
RGB	200, 243, 189
RGB Percent	78%, 95%, 74%
CMY	0.2158, 0.0470, 0.2588
CMYK	0.18, 0.00, 0.22, 0.05
HSL	108°, 69%, 85%
HSV	108°, 22%, 95%
XYZ	65.0496, 80.0547, 60.1642
YIQ	223.9870, -8.2940, -25.9100

# Conversions

## Conversions Part 2

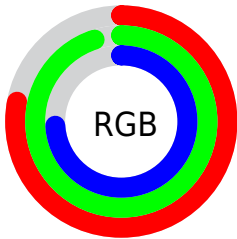
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">189, 243, 232</a>
Decimal	<a href="#">13169597</a>
CIELab	<a href="#">91.71, -23.64, 21.59</a>
CIElCh	<a href="#">92, 32.011, 137.594</a>
Yxy	<a href="#">80.0547, 0.3169, 0.3900</a>
Android (android.graphics.Color)	<a href="#">4291359677 (0xFFC8F3BD)</a>
YUV	<a href="#">223.9870, -17.2486, -21.0366</a>
Hunter-Lab	<a href="#">89.4733, -26.8038, 22.7632</a>

# Details

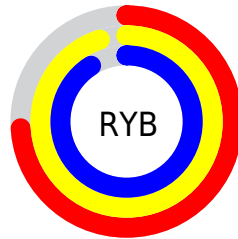
The Yxy color **80.0547, 0.3169, 0.3900** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.0265, 0.3069, 0.2722**, and the grayscale version is **74.6600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3726, 0.3185, 0.3386**, and **43.3097, 0.3172, 0.4062** is the 20% darker color. If you saturate the color by 10%, you get **76.5908, 0.3183, 0.4218**, and if you desaturate by 10%, it is **84.0398, 0.3152, 0.3608**.

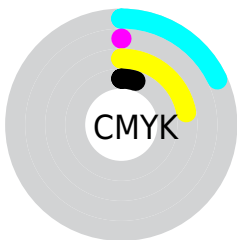
# Distribution



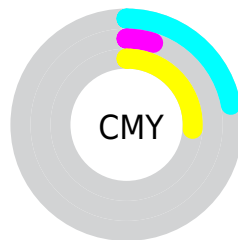
- Red (78%)
- Green (95%)
- Blue (74%)



- Red (74%)
- Yellow (95%)
- Blue (91%)



- Cyan (18%)
- Magenta (0%)
- Yellow (22%)
- Black (5%)




- Cyan (22%)
- Magenta (5%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0547, 0.3169, 0.3900 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 80.0547, 0.3169, 0.3900 by changing the saturation by 10% instead.



 80.0547, 0.3169,  
0.3900

 80.0547, 0.3169,  
0.3900


495.1172, 0.3156,  
0.3612

 59.7634, 0.3171,  
0.3967

 133.4426, 0.3166,  
0.3799

 43.2279, 0.3172,  
0.4050


167.3080, 0.3164,  
0.3760

 30.0640, 0.3172,  
0.4156


206.4669, 0.3162,  
0.3727

 19.8872, 0.3170,  
0.4297

251.3036, 0.3161,  
0.3698

 12.3131, 0.3163,  
0.4490

302.2026, 0.3159,  
0.3672

 6.9573, 0.3144,  
0.4771

359.5483, 0.3158,

 3.4354, 0.3093,

0.3650

423.7250, 0.3157,  
0.3630

0.5215

1.3630, 0.3246,  
0.6754

0.1892, 0.0000,  
1.0000

80.0547, 0.3169,  
0.3900

80.0547, 0.3169,  
0.3900

76.5908, 0.3183,  
0.4218

84.0398, 0.3152,  
0.3608

73.6165, 0.3190,  
0.4554

88.5561, 0.3132,  
0.3345

71.1124, 0.3190,  
0.4894

92.5883, 0.3133,  
0.3175

69.0535, 0.3180,  
0.5219

■ 67.4128, 0.3160,  
0.5505

■ 66.1599, 0.3129,  
0.5730

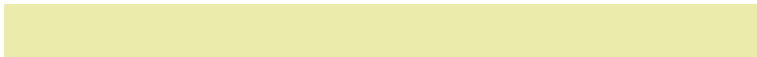
■ 65.2598, 0.3092,  
0.5881

■ 64.7711, 0.3063,  
0.5950

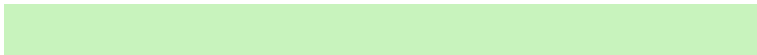
# Harmonies

## Analogous

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



80.0547, 0.3530, 0.3956



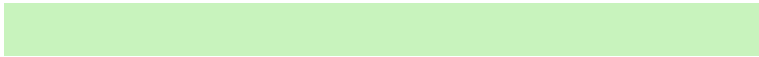
80.0547, 0.3169, 0.3900



80.0547, 0.2811, 0.3645

# Triad

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



80.0547, 0.3169, 0.3900



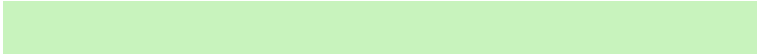
80.0547, 0.2493, 0.2743



80.0547, 0.3738, 0.3249

# Complementary

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



80.0547, 0.3169, 0.3900



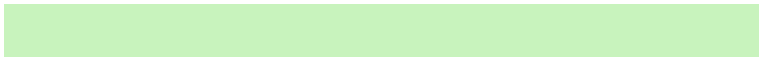
60.0265, 0.3069, 0.2722

# 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.



80.0547, 0.3429, 0.2967



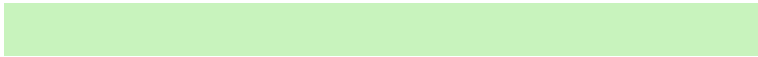
80.0547, 0.3169, 0.3900



80.0547, 0.2711, 0.2681

# Square

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



80.0547, 0.3169, 0.3900



80.0547, 0.2435, 0.2955



80.0547, 0.3049, 0.2764

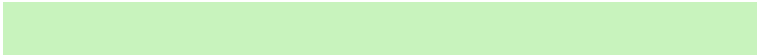


80.0547, 0.3872, 0.3555



# Rectangle

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



80.0547, 0.3169, 0.3900



80.0547, 0.2620, 0.3409



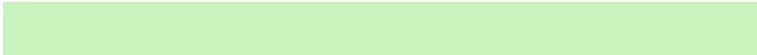
80.0547, 0.3049, 0.2764



80.0547, 0.3650, 0.3150

# Sweetspot

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



80.0581, 0.3169, 0.3900



96.3049, 0.3141, 0.3467



80.0554, 0.3487, 0.3732



20.5480, 0.3143, 0.3483



0.0000, 0.0000, 0.0000

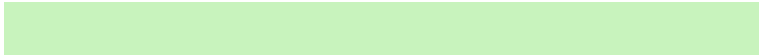


21.4041, 0.3127, 0.3290

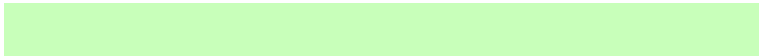


# Same Dimension

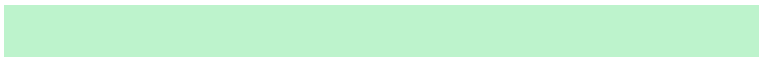
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0581, 0.3169, 0.3900



87.3707, 0.3176, 0.4051



79.3007, 0.3010, 0.3731



18.6342, 0.3146, 0.3533



35.5900, 0.3070, 0.5944



3.1697, 0.3148, 0.5882



# Inverse Universe

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



60.0265, 0.3069, 0.2722



61.1029, 0.3052, 0.2593



61.0354, 0.3269, 0.2886



16.5883, 0.3105, 0.3054



9.8768, 0.2699, 0.1261

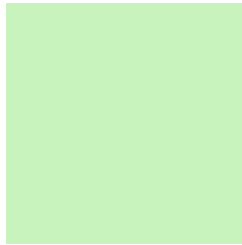


0.9101, 0.2766, 0.1298



# Previews

## White Background



This preview shows how the Yxy color 80.0547, 0.3169, 0.3900 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 80.0547, 0.3169, 0.3900 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

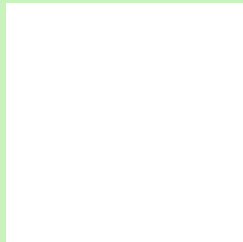
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.0547, 0.3169, 0.3900**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.0547, 0.3169, 0.3900.

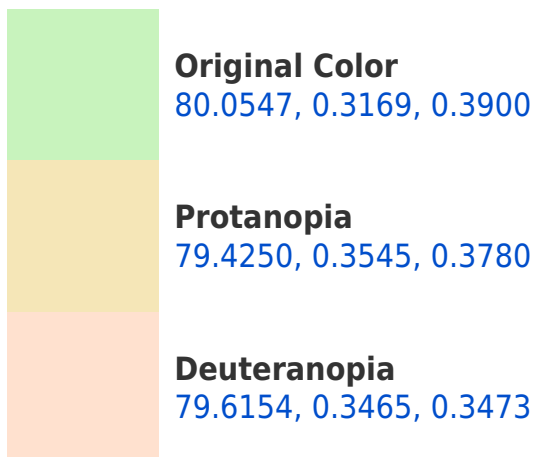


This preview shows how white text looks on a background with the Yxy color 80.0547, 0.3169, 0.3900.

# 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

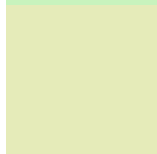
79.6391, 0.2860, 0.3089

## Trichromacy



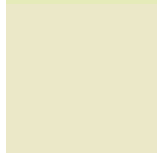
### Original Color

80.0547, 0.3169, 0.3900



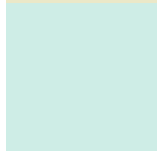
### Protanomaly

79.5775, 0.3405, 0.3828



### Deuteranomaly

79.5455, 0.3355, 0.3629



### Tritanomaly

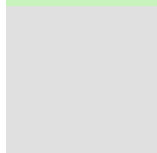
79.4034, 0.2968, 0.3366

## Monochromacy



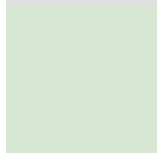
### Original Color

80.0547, 0.3169, 0.3900



### Achromatopsia

74.5404, 0.3127, 0.3290



### Achromatomaly

76.3020, 0.3144, 0.3510

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.0547, 0.3169, 0.3900 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(200, 243, 189)` looks like.

```
.text, #text, p{  
    color:rgb(200, 243, 189)  
}
```

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(200, 243, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 243, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 80.0547, 0.3169, 0.3900 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(200, 243, 189) }
```

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

```
.border{ border-color:rgb(200, 243, 189) }
```

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

Here you see how a box with a 4 pixel rgb(200, 243, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 243, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 243, 189);  
box-shadow:4px 4px 4px 4px rgb(200, 243,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.0547, 0.3169, 0.3900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 243, 189) }
```

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

```
.background{ background-color: rgb(200,  
243, 189) }
```

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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