

# Converting Colors

Yxy(83.1311, 0.3290, 0.4125)

Have a look what the booklet for  
Yxy(83.1311, 0.3290, 0.4125)  
contains.

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# Color

**Yxy(83.1311, 0.3290, 0.4125)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDF8AD
RGB	205, 248, 173
RGB Percent	80%, 97%, 68%
CMY	0.1958, 0.0275, 0.3215
CMYK	0.17, 0.00, 0.30, 0.03
HSL	94°, 84%, 83%
HSV	94°, 30%, 97%
XYZ	66.3034, 83.1311, 52.0955
YIQ	226.5930, -1.5530, -32.4410

# Conversions

## Conversions Part 2

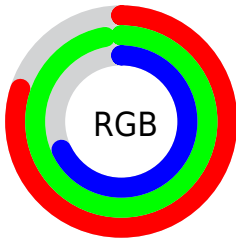
Format	Color
<a href="#">RYB</a>	<a href="#">173, 248, 216</a>
Decimal	<a href="#">13498541</a>
CIELab	<a href="#">93.07, -26.70, 31.63</a>
CIElCh	<a href="#">93, 41.389, 130.166</a>
Yxy	<a href="#">83.1311, 0.3290, 0.4125</a>
Android (android.graphics.Color)	<a href="#">4291688621 (0xFFCDF8AD)</a>
YUV	<a href="#">226.5930, -26.4213, -18.9371</a>
Hunter-Lab	<a href="#">91.1763, -29.7533, 29.9468</a>

# Details

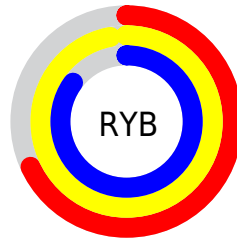
The Yxy color **83.1311, 0.3290, 0.4125** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **51.2603, 0.2908, 0.2477**, and the grayscale version is **76.7134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4371, 0.3280, 0.3542**, and **45.1017, 0.3316, 0.4322** is the 20% darker color. If you saturate the color by 10%, you get **80.3329, 0.3333, 0.4435**, and if you desaturate by 10%, it is **86.2979, 0.3239, 0.3828**.

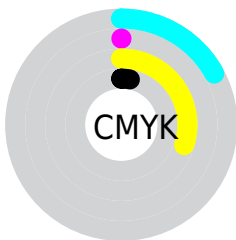
# Distribution



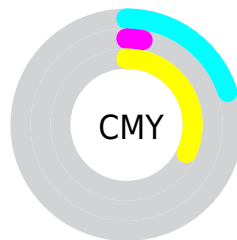
- Red (80%)
- Green (97%)
- Blue (68%)



- Red (68%)
- Yellow (97%)
- Blue (85%)



- Cyan (17%)
- Magenta (0%)
- Yellow (30%)
- Black (3%)




- Cyan (20%)
- Magenta (3%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1311, 0.3290, 0.4125 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 83.1311, 0.3290, 0.4125 by changing the saturation by 10% instead.




 83.1311, 0.3290,  
0.4125

 83.1311, 0.3290,  
0.4125


505.4233, 0.3227,  
0.3732

 62.2983, 0.3301,  
0.4215


 137.7591, 0.3271,  
0.3988

 45.2738, 0.3313,  
0.4328


172.3230, 0.3262,  
0.3935

 31.6731, 0.3326,  
0.4469

212.2328, 0.3255,  
0.3889

 21.1120, 0.3338,  
0.4655

257.8729, 0.3248,  
0.3850

 13.2059, 0.3344,  
0.4905

309.6275, 0.3242,  
0.3815

 7.5705, 0.3335,  
0.5259


367.8813, 0.3236,


 3.8213, 0.3301,


0.3784


0.5829


433.0184, 0.3231,  
0.3757


 1.5741, 0.3150,  
0.6850

 0.3401, 0.0000,  
1.0000

 83.1311, 0.3290,  
0.4125

 83.1311, 0.3290,  
0.4125

 80.3329, 0.3333,  
0.4435


 86.2979, 0.3239,  
0.3828


 77.8777, 0.3365,  
0.4746

 89.8363, 0.3185,  
0.3550

 75.7533, 0.3382,  
0.5043

 93.7628, 0.3128,  
0.3296

 73.9423, 0.3380,  
0.5310

 95.6072, 0.3130,  
0.3223

■ 72.4253, 0.3357,  
0.5530

■ 71.1800, 0.3315,  
0.5691

■ 70.1932, 0.3261,  
0.5793

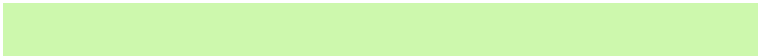
# Harmonies

## Analogous

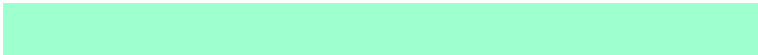
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1311, 0.3731, 0.4115



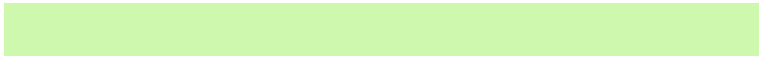
83.1311, 0.3290, 0.4125



83.1311, 0.2825, 0.3852

# Triad

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



83.1311, 0.3290, 0.4125



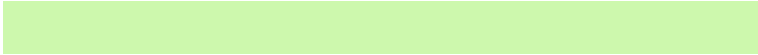
83.1311, 0.2294, 0.2644



83.1311, 0.3827, 0.3138

# Complementary

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



83.1311, 0.3290, 0.4125



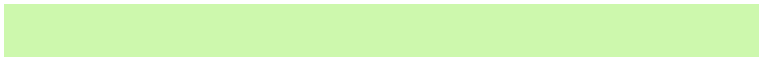
51.2603, 0.2908, 0.2477

# Split Complementary

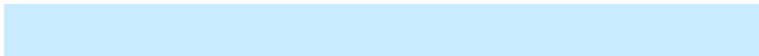
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.1311, 0.3391, 0.2810



83.1311, 0.3290, 0.4125



83.1311, 0.2516, 0.2528

# Square

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



83.1311, 0.3290, 0.4125



83.1311, 0.2273, 0.2947



83.1311, 0.2908, 0.2592

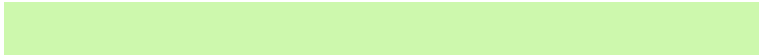


83.1311, 0.4064, 0.3517

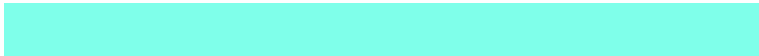


# Rectangle

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



83.1311, 0.3290, 0.4125



83.1311, 0.2564, 0.3556



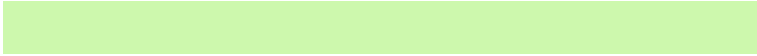
83.1311, 0.2908, 0.2592



83.1311, 0.3698, 0.3020

# Sweetspot

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



83.1347, 0.3290, 0.4125



96.2020, 0.3178, 0.3518



71.8289, 0.3678, 0.3737



20.4666, 0.3186, 0.3556



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

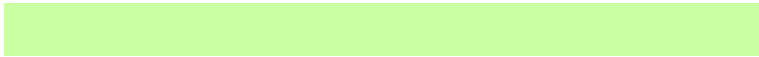


# Same Dimension

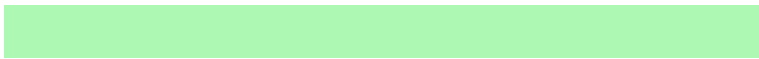
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1347, 0.3290, 0.4125



86.7910, 0.3316, 0.4304



79.2288, 0.3058, 0.4118



19.6720, 0.3180, 0.3531



38.0015, 0.3272, 0.5784



3.5807, 0.3365, 0.5711



# Inverse Universe

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



51.2603, 0.2908, 0.2477



48.0463, 0.2854, 0.2307



56.3195, 0.3201, 0.2582



17.1335, 0.3069, 0.3051



6.8504, 0.2170, 0.0969

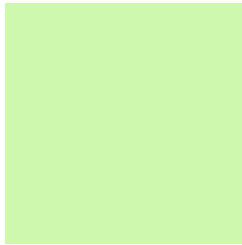


0.6970, 0.2289, 0.1035



# Previews

## White Background



This preview shows how the Yxy color 83.1311, 0.3290, 0.4125 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

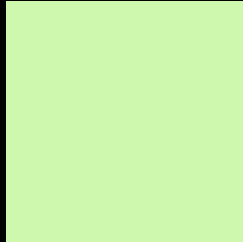
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.1311, 0.3290, 0.4125 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

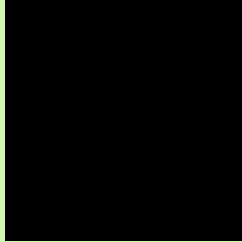
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

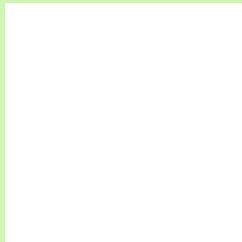
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.1311, 0.3290, 0.4125**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.1311, 0.3290, 0.4125.

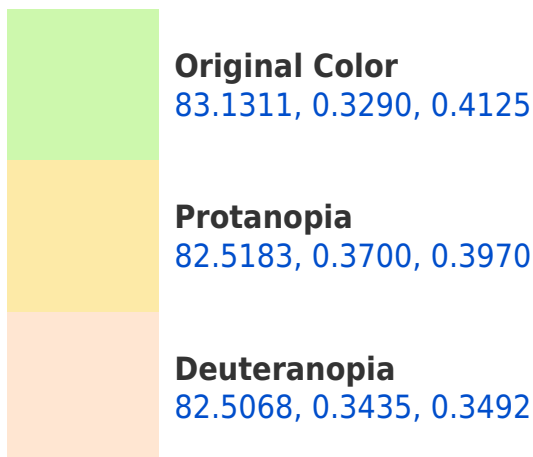


This preview shows how white text looks on a background with the Yxy color 83.1311, 0.3290, 0.4125.

# 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

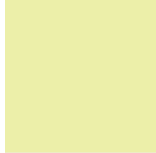
82.8484, 0.2905, 0.3104

# Trichromacy



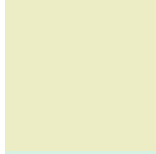
## Original Color

83.1311, 0.3290, 0.4125



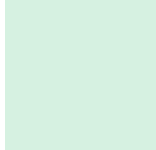
## Protanomaly

82.4304, 0.3548, 0.4027



## Deuteranomaly

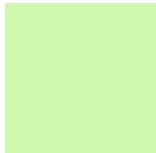
82.6041, 0.3381, 0.3709



## Tritanomaly

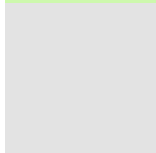
82.6430, 0.3048, 0.3461

# Monochromacy



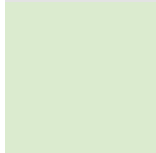
## Original Color

83.1311, 0.3290, 0.4125



## Achromatopsia

76.8151, 0.3127, 0.3290



## Achromatomaly

78.9817, 0.3194, 0.3594

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.1311, 0.3290, 0.4125 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(205, 248, 173)` looks like.

```
.text, #text, p{  
    color:rgb(205, 248, 173)  
}
```

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(205, 248, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 248, 173) }
```

## Border

The CSS property to change the border of an element to Yxy 83.1311, 0.3290, 0.4125 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(205, 248, 173) }
```

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

```
.border{ border-color:rgb(205, 248, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 248, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 248, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 248, 173);  
box-shadow:4px 4px 4px 4px rgb(205, 248,  
173) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.1311, 0.3290, 0.4125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 248, 173) }
```

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

```
.background{ background-color: rgb(205,  
248, 173) }
```

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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