

# Converting Colors

$Yxy(83.7210, 0.3235, 0.3922)$

Have a look what the booklet for  
Yxy(83.7210, 0.3235, 0.3922)  
contains.

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# Color

**Yxy(84.0445, 0.3238, 0.3926)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3F7BD
RGB	211, 247, 189
RGB Percent	83%, 97%, 74%
CMY	0.1724, 0.0314, 0.2588
CMYK	0.15, 0.00, 0.23, 0.03
HSL	97°, 78%, 85%
HSV	97°, 23%, 97%
XYZ	69.3164, 84.0445, 60.7107
YIQ	229.6240, -2.8380, -25.6700

# Conversions

## Conversions Part 2

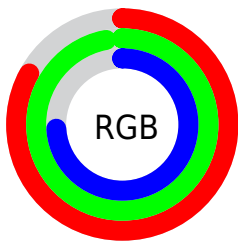
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	189, 247, 225
Decimal	13891517
CIE <sub>Lab</sub>	93.47, -21.79, 24.13
CIE <sub>LCh</sub>	93, 32.513, 132.091
Y <sub>xy</sub>	84.0445, 0.3238, 0.3926
Android (android.graphics.Color)	4292081597 (0xFFD3F7BD)
YUV	229.6240, -20.0276, -16.3332
Hunter-Lab	91.6758, -25.4682, 24.9093

# Details

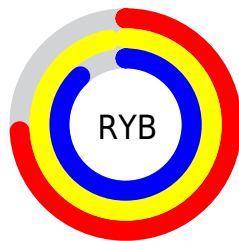
The Yxy color **84.0445, 0.3238, 0.3926** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.1115, 0.2987, 0.2674**, and the grayscale version is **78.9964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3726, 0.3185, 0.3386**, and **46.0788, 0.3258, 0.4090** is the 20% darker color. If you saturate the color by 10%, you get **80.9093, 0.3279, 0.4232**, and if you desaturate by 10%, it is **87.5852, 0.3192, 0.3639**.

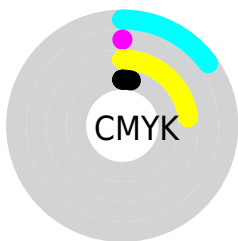
# Distribution



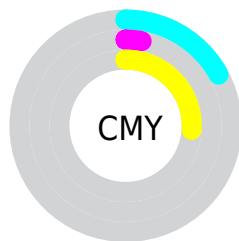
- Red (83%)
- Green (97%)
- Blue (74%)



- Red (74%)
- Yellow (97%)
- Blue (88%)



- Cyan (15%)
- Magenta (0%)
- Yellow (23%)
- Black (3%)




- Cyan (17%)
- Magenta (3%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.0445, 0.3238, 0.3926 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 84.0445, 0.3238, 0.3926 by changing the saturation by 10% instead.



 84.0445, 0.3238,  
0.3926

 84.0445, 0.3238,  
0.3926


508.4610, 0.3194,  
0.3629

 63.0522, 0.3246,  
0.3994


 139.0374, 0.3224,  
0.3823

 45.8834, 0.3256,  
0.4078

173.8068, 0.3218,  
0.3783

 32.1538, 0.3266,  
0.4185


213.9373, 0.3213,  
0.3748

 21.4790, 0.3277,  
0.4325

259.8134, 0.3208,  
0.3718

 13.4746, 0.3287,  
0.4515

311.8194, 0.3204,  
0.3692

 7.7562, 0.3292,  
0.4786

370.3398, 0.3200,

 3.9393, 0.3276,

0.3669

0.5201

435.7588, 0.3197,  
0.3648

1.6397, 0.3508,  
0.6492

0.3841, 0.0000,  
1.0000

84.0445, 0.3238,  
0.3926

84.0445, 0.3238,  
0.3926

80.9093, 0.3279,  
0.4232

87.5852, 0.3192,  
0.3639

78.1534, 0.3311,  
0.4550

91.5349, 0.3144,  
0.3376

75.7642, 0.3332,  
0.4865

95.0004, 0.3131,  
0.3214

73.7239, 0.3337,  
0.5162

■ 72.0133, 0.3323,  
0.5423

■ 70.6106, 0.3291,  
0.5630

■ 69.4903, 0.3243,  
0.5772

■ 68.8914, 0.3207,  
0.5836

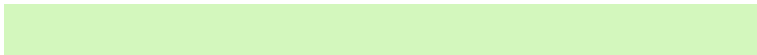
# Harmonies

## Analogous

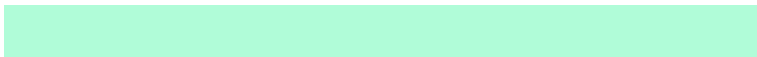
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0445, 0.3588, 0.3943



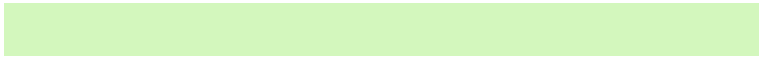
84.0445, 0.3238, 0.3926



84.0445, 0.2872, 0.3703

# Triad

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



84.0445, 0.3238, 0.3926



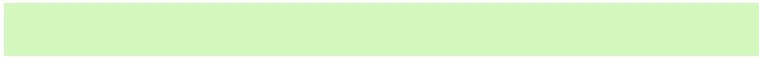
84.0445, 0.2470, 0.2772



84.0445, 0.3692, 0.3194

# Complementary

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



84.0445, 0.3238, 0.3926



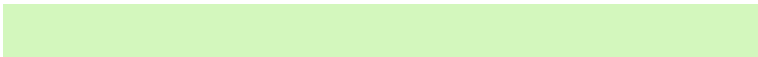
59.1115, 0.2987, 0.2674

# Split Complementary

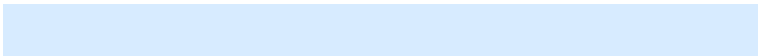
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.0445, 0.3361, 0.2923



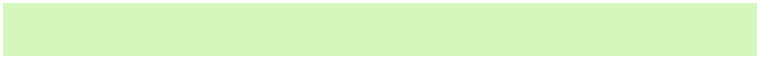
84.0445, 0.3238, 0.3926



84.0445, 0.2661, 0.2682

# Square

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



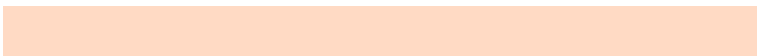
84.0445, 0.3238, 0.3926



84.0445, 0.2443, 0.3009



84.0445, 0.2981, 0.2739

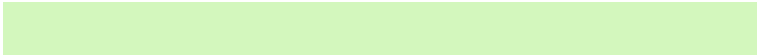


84.0445, 0.3863, 0.3500

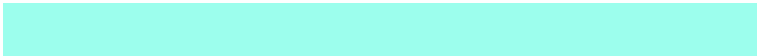


# Rectangle

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



84.0445, 0.3238, 0.3926



84.0445, 0.2667, 0.3476



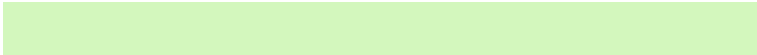
84.0445, 0.2981, 0.2739



84.0445, 0.3594, 0.3097

# Sweetspot

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



84.0481, 0.3238, 0.3926



96.8640, 0.3161, 0.3466



77.1712, 0.3531, 0.3663



20.6772, 0.3164, 0.3481



0.0000, 0.0000, 0.0000

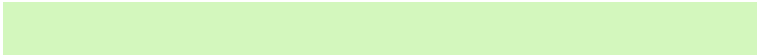


21.4041, 0.3127, 0.3290

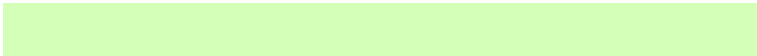


# Same Dimension

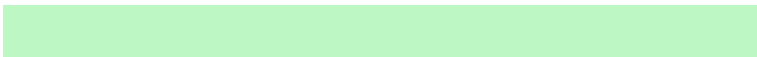
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0481, 0.3238, 0.3926



88.7722, 0.3257, 0.4064



81.3138, 0.3058, 0.3874



18.7787, 0.3173, 0.3531



36.5100, 0.3219, 0.5826



3.2659, 0.3315, 0.5750



# Inverse Universe

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



59.1115, 0.2987, 0.2674



57.8086, 0.2953, 0.2545



62.4733, 0.3205, 0.2769



16.4356, 0.3077, 0.3052



7.2257, 0.2276, 0.1028

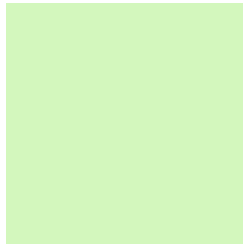


0.6939, 0.2392, 0.1091



# Previews

## White Background



This preview shows how the Yxy color 84.0445, 0.3238, 0.3926 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

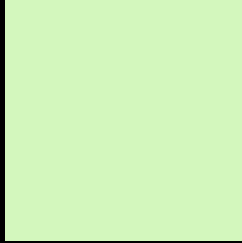
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.0445, 0.3238, 0.3926 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

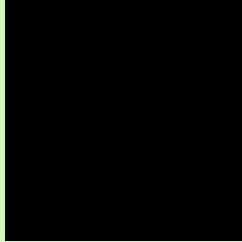
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

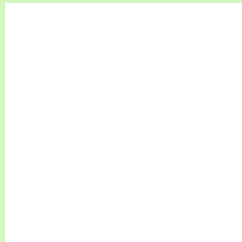
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.0445, 0.3238, 0.3926**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.0445, 0.3238, 0.3926.



This preview shows how white text looks on a background with the Yxy color 84.0445, 0.3238, 0.3926.

# 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

84.0570, 0.2930, 0.3116

# Trichromacy



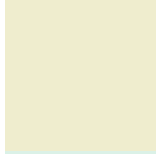
## Original Color

84.0445, 0.3238, 0.3926



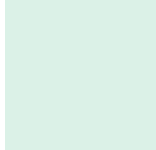
## Protanomaly

83.1110, 0.3441, 0.3848



## Deuteranomaly

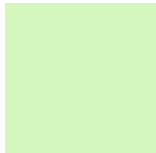
83.3753, 0.3337, 0.3612



## Tritanomaly

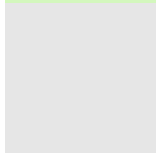
83.7402, 0.3045, 0.3395

# Monochromacy



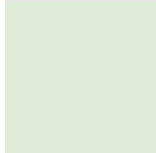
## Original Color

84.0445, 0.3238, 0.3926



## Achromatopsia

79.1298, 0.3127, 0.3290



## Achromatomaly

80.5852, 0.3170, 0.3515

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.0445, 0.3238, 0.3926 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(211, 247, 189)` looks like.

```
.text, #text, p{  
    color:rgb(211, 247, 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(211, 247, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 247, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 84.0445, 0.3238, 0.3926 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(211, 247, 189) }
```

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

```
.border{ border-color:rgb(211, 247, 189) }
```

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

Here you see how a box with a 4 pixel rgb(211, 247, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 247, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 247, 189);  
box-shadow:4px 4px 4px 4px rgb(211, 247,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.0445, 0.3238, 0.3926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 247, 189) }
```

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

```
.background{ background-color: rgb(211,  
247, 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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