

# Converting Colors

$Yxy(83.3555, 0.3419, 0.4114)$

Have a look what the booklet for  
Yxy(83.3555, 0.3419, 0.4114)  
contains.

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# Color

**Yxy(83.3850, 0.3420, 0.4114)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DCF5A9
RGB	220, 245, 169
RGB Percent	86%, 96%, 66%
CMY	0.1374, 0.0391, 0.3372
CMYK	0.10, 0.00, 0.31, 0.04
HSL	80°, 79%, 81%
HSV	80°, 31%, 96%
XYZ	69.3186, 83.3850, 49.9824
YIQ	228.8610, 9.4960, -28.9360

# Conversions

## Conversions Part 2

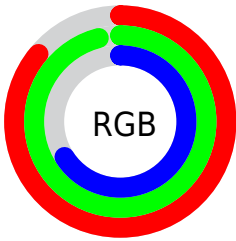
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 245, 194
Decimal	14480809
CIELab	93.18, -20.55, 33.96
CIELCh	93, 39.698, 121.178
Yxy	83.3850, 0.3420, 0.4114
Android (android.graphics.Color)	4292670889 (0xFFDCF5A9)
YUV	228.8610, -29.5115, -7.7711
Hunter-Lab	91.3154, -24.3005, 31.4678

# Details

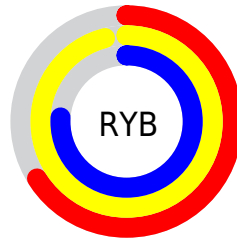
The Yxy color **83.3850, 0.3420, 0.4114** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **46.4540, 0.2758, 0.2420**, and the grayscale version is **78.4600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2162, 0.3304, 0.3582**, and **45.5487, 0.3472, 0.4314** is the 20% darker color. If you saturate the color by 10%, you get **81.3227, 0.3504, 0.4395**, and if you desaturate by 10%, it is **85.6881, 0.3328, 0.3835**.

# Distribution



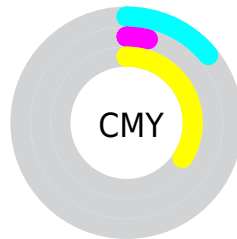
- Red (86%)
- Green (96%)
- Blue (66%)



- Red (66%)
- Yellow (96%)
- Blue (76%)



- Cyan (10%)
- Magenta (0%)
- Yellow (31%)
- Black (4%)




- Cyan (14%)
- Magenta (4%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3850, 0.3420, 0.4114 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 83.3850, 0.3420, 0.4114 by changing the saturation by 10% instead.




 83.3850, 0.3420,  
0.4114

 83.3850, 0.3420,  
0.4114

506.2687, 0.3297,  
0.3731

 62.5078, 0.3444,  
0.4201


 138.1146, 0.3380,  
0.3981

 45.4431, 0.3473,  
0.4309


172.7357, 0.3364,  
0.3929

 31.8066, 0.3505,  
0.4443


212.7070, 0.3350,  
0.3885

 21.2138, 0.3543,  
0.4618

258.4127, 0.3337,  
0.3846

 13.2804, 0.3583,  
0.4849

310.2374, 0.3325,  
0.3812

 7.6219, 0.3618,  
0.5169

368.5654, 0.3315,

 3.8540, 0.3674,

0.3782

433.7810, 0.3306,  
0.3755

0.5705

1.5922, 0.3576,  
0.6424

0.3523, 0.0000,  
1.0000

83.3850, 0.3420,  
0.4114

83.3850, 0.3420,  
0.4114

81.3227, 0.3504,  
0.4395

85.6881, 0.3328,  
0.3835

79.4795, 0.3576,  
0.4668

88.2306, 0.3232,  
0.3567

77.8478, 0.3630,  
0.4920

91.0253, 0.3137,  
0.3315

76.4148, 0.3661,  
0.5139

93.2824, 0.3114,  
0.3194

■ 75.1659, 0.3667,  
0.5314

■ 93.7957, 0.3132,  
0.3195

■ 74.0839, 0.3648,  
0.5438

■ 73.2305, 0.3614,  
0.5512

# Harmonies

## Analogous

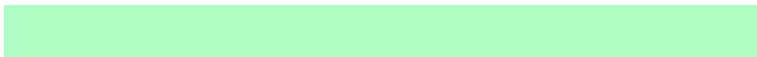
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3850, 0.3812, 0.4031



83.3850, 0.3420, 0.4114



83.3850, 0.2967, 0.3930

# Triad

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



83.3850, 0.3420, 0.4114



83.3850, 0.2299, 0.2740



83.3850, 0.3687, 0.3043

# Complementary

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



83.3850, 0.3420, 0.4114



46.4540, 0.2758, 0.2420

# Split Complementary

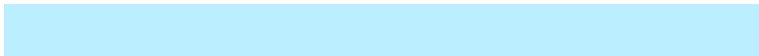
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.3850, 0.3240, 0.2753



83.3850, 0.3420, 0.4114



83.3850, 0.2457, 0.2572

# Square

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



83.3850, 0.3420, 0.4114



83.3850, 0.2340, 0.3082



83.3850, 0.2791, 0.2583



83.3850, 0.3983, 0.3400



# Rectangle

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



83.3850, 0.3420, 0.4114



83.3850, 0.2693, 0.3678



83.3850, 0.2791, 0.2583



83.3850, 0.3548, 0.2936

# Sweetspot

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



83.3887, 0.3420, 0.4114



97.2016, 0.3213, 0.3515



60.4563, 0.3755, 0.3552



20.7129, 0.3227, 0.3553



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

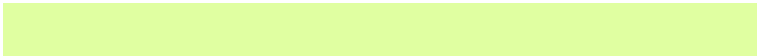


# Same Dimension

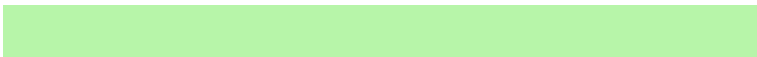
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3887, 0.3420, 0.4114



89.9094, 0.3472, 0.4285



78.2414, 0.3171, 0.4182



19.0238, 0.3218, 0.3527



39.5227, 0.3623, 0.5505



3.5294, 0.3696, 0.5448



# Inverse Universe

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



46.4540, 0.2758, 0.2420



43.7637, 0.2668, 0.2228



51.9770, 0.3050, 0.2490



16.1921, 0.3031, 0.3049



4.5562, 0.1740, 0.0732

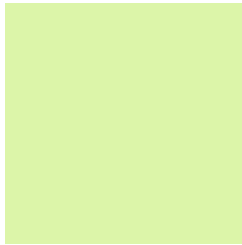


0.4541, 0.1874, 0.0806



# Previews

## White Background



This preview shows how the Yxy color 83.3850, 0.3420, 0.4114 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

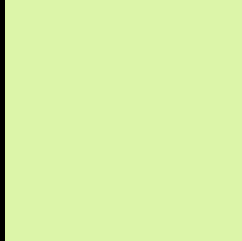
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.3850, 0.3420, 0.4114 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

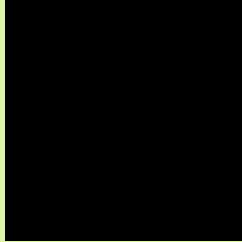
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

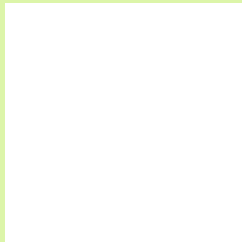
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.3850, 0.3420, 0.4114**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.3850, 0.3420, 0.4114.

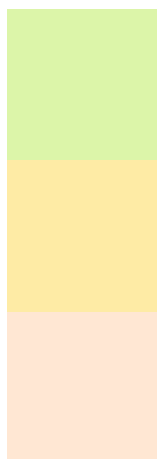


This preview shows how white text looks on a background with the Yxy color 83.3850, 0.3420, 0.4114.

# 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

83.3850, 0.3420, 0.4114

### Protanopia

83.2041, 0.3717, 0.3997

### Deuteranopia

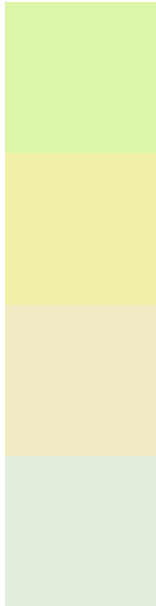
83.1150, 0.3427, 0.3491



## Tritanopia

83.0933, 0.2998, 0.3098

# Trichromacy



## Original Color

83.3850, 0.3420, 0.4114

## Protanomaly

83.3634, 0.3610, 0.4047

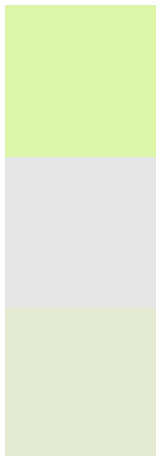
## Deuteranomaly

82.8537, 0.3425, 0.3705

## Tritanomaly

82.9170, 0.3159, 0.3458

# Monochromacy



## Original Color

83.3850, 0.3420, 0.4114

## Achromatopsia

78.3538, 0.3127, 0.3290

## Achromatomaly

80.0904, 0.3242, 0.3590

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  83.3850, 0.3420, 0.4114 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(220, 245, 169)` looks like.

```
.text, #text, p{  
    color:rgb(220, 245, 169)  
}
```

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(220, 245, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 245, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 83.3850, 0.3420, 0.4114 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(220, 245, 169) }
```

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

```
.border{ border-color:rgb(220, 245, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 245, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 245, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 245, 169);  
box-shadow:4px 4px 4px 4px rgb(220, 245,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.3850, 0.3420, 0.4114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 245, 169) }
```

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

```
.background{ background-color: rgb(220,  
245, 169) }
```

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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