

# Converting Colors

$Yxy(85.0121, 0.3384, 0.4059)$

Have a look what the booklet for  
Yxy(85.0121, 0.3384, 0.4059)  
contains.

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# Color

**Yxy(85.0283, 0.3382, 0.4055)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDF7B0
RGB	221, 247, 176
RGB Percent	87%, 97%, 69%
CMY	0.1333, 0.0314, 0.3098
CMYK	0.11, 0.00, 0.29, 0.03
HSL	82°, 82%, 83%
HSV	82°, 29%, 97%
XYZ	70.9163, 85.0283, 53.7429
YIQ	231.1320, 7.2950, -27.5930

# Conversions

## Conversions Part 2

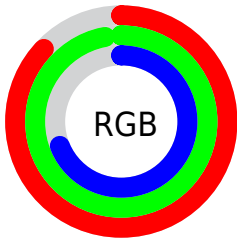
Format	Color
<b>RYB</b>	176, 247, 202
Decimal	14546864
CIELab	93.90, -20.19, 31.42
CIELCh	94, 37.346, 122.729
Yxy	85.0283, 0.3382, 0.4055
Android (android.graphics.Color)	4292736944 (0xFFDDDF7B0)
YUV	231.1320, -27.1801, -8.8858
Hunter-Lab	92.2108, -24.0903, 29.9918

# Details

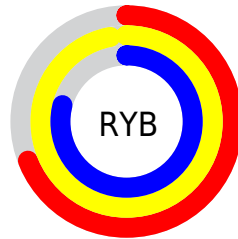
The Yxy color **85.0283, 0.3382, 0.4055** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **50.3182, 0.2809, 0.2495**, and the grayscale version is **80.2189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **46.6910, 0.3424, 0.4238** is the 20% darker color. If you saturate the color by 10%, you get **82.7600, 0.3462, 0.4340**, and if you desaturate by 10%, it is **87.5584, 0.3295, 0.3775**.

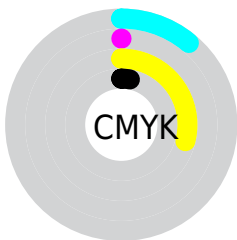
# Distribution



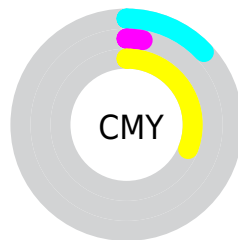
- Red (87%)
- Green (97%)
- Blue (69%)



- Red (69%)
- Yellow (97%)
- Blue (79%)



- Cyan (11%)
- Magenta (0%)
- Yellow (29%)
- Black (3%)




- Cyan (13%)
- Magenta (3%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.0283, 0.3382, 0.4055 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 85.0283, 0.3382, 0.4055 by changing the saturation by 10% instead.




 85.0283, 0.3382,  
0.4055

 85.0283, 0.3382,  
0.4055


511.7217, 0.3275,  
0.3700

 63.8648, 0.3403,  
0.4136


 140.4127, 0.3347,  
0.3932

 46.5412, 0.3428,  
0.4235


175.4024, 0.3333,  
0.3884

 32.6731, 0.3457,  
0.4360


215.7696, 0.3321,  
0.3843

 21.8761, 0.3490,  
0.4521

261.8986, 0.3310,  
0.3807

 13.7659, 0.3526,  
0.4737

314.1740, 0.3300,  
0.3775

 7.9580, 0.3561,  
0.5036


372.9800, 0.3291,


 4.0681, 0.3587,


0.3747


0.5490


438.7011, 0.3283,  
0.3723


 1.7117, 0.3631,  
0.6369


 0.4312, 0.0000,  
1.0000


 85.0283, 0.3382,  
0.4055


 85.0283, 0.3382,  
0.4055


 82.7600, 0.3462,  
0.4340

 87.5584, 0.3295,  
0.3775

 80.7315, 0.3531,  
0.4622

 90.3492, 0.3205,  
0.3509

 78.9348, 0.3583,  
0.4887

 93.4140, 0.3116,  
0.3260

 77.3567, 0.3613,  
0.5121

 95.0047, 0.3131,  
0.3214

■ 75.9827, 0.3619,  
0.5314

■ 74.7954, 0.3601,  
0.5457

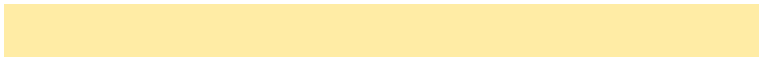
■ 73.7705, 0.3560,  
0.5550

■ 73.6499, 0.3554,  
0.5560

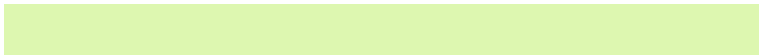
# Harmonies

## Analogous

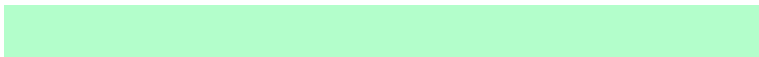
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0283, 0.3753, 0.3994



85.0283, 0.3382, 0.4055



85.0283, 0.2958, 0.3870

# Triad

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



85.0283, 0.3382, 0.4055



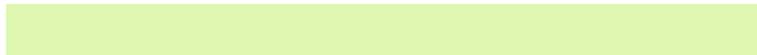
85.0283, 0.2352, 0.2764



85.0283, 0.3669, 0.3075

# Complementary

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



85.0283, 0.3382, 0.4055



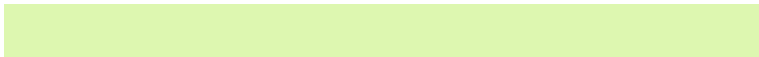
50.3182, 0.2809, 0.2495

# Split Complementary

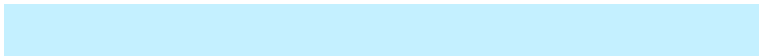
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.0283, 0.3257, 0.2797



85.0283, 0.3382, 0.4055



85.0283, 0.2511, 0.2612

# Square

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



85.0283, 0.3382, 0.4055



85.0283, 0.2381, 0.3078



85.0283, 0.2833, 0.2630

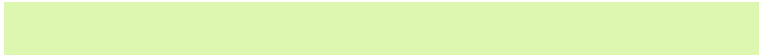


85.0283, 0.3935, 0.3414

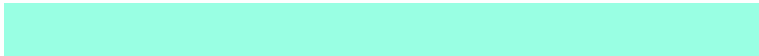


# Rectangle

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



85.0283, 0.3382, 0.4055



85.0283, 0.2703, 0.3631



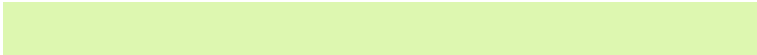
85.0283, 0.2833, 0.2630



85.0283, 0.3542, 0.2973

# Sweetspot

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



85.0320, 0.3382, 0.4055



97.0501, 0.3208, 0.3516



64.6109, 0.3691, 0.3557



20.6755, 0.3221, 0.3554



0.0000, 0.0000, 0.0000

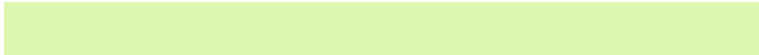


21.4041, 0.3127, 0.3290

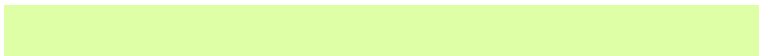


# Same Dimension

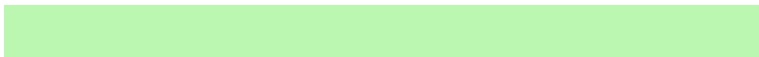
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0320, 0.3382, 0.4055



89.8448, 0.3434, 0.4235



80.1788, 0.3154, 0.4112



18.9926, 0.3212, 0.3528



39.0324, 0.3565, 0.5552



3.4887, 0.3643, 0.5489



# Inverse Universe

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



50.3182, 0.2809, 0.2495



46.4654, 0.2722, 0.2298



55.6563, 0.3076, 0.2554



16.2221, 0.3037, 0.3049



4.7860, 0.1792, 0.0761

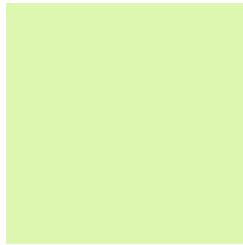


0.4768, 0.1929, 0.0836



# Previews

## White Background



This preview shows how the Yxy color 85.0283, 0.3382, 0.4055 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

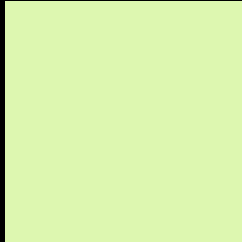
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.0283, 0.3382, 0.4055 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

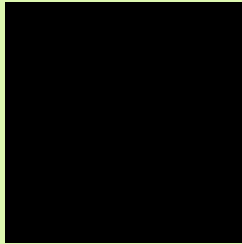
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

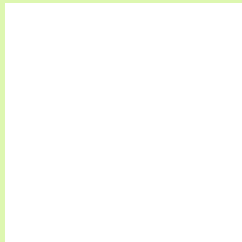
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.0283, 0.3382, 0.4055**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.0283, 0.3382, 0.4055.

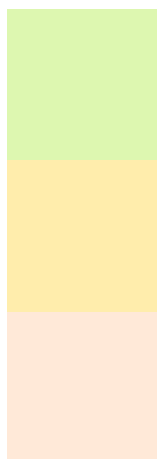


This preview shows how white text looks on a background with the Yxy color 85.0283, 0.3382, 0.4055.

# 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

85.0283, 0.3382, 0.4055

### Protanopia

84.8069, 0.3673, 0.3944

### Deuteranopia

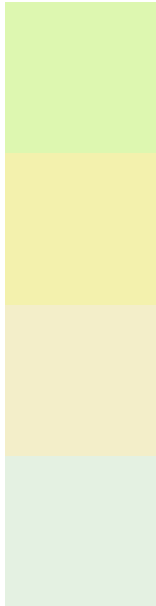
84.4957, 0.3390, 0.3460



## Tritanopia

84.9442, 0.2987, 0.3109

# Trichromacy



**Original Color**

85.0283, 0.3382, 0.4055

**Protanomaly**

84.9824, 0.3568, 0.3992

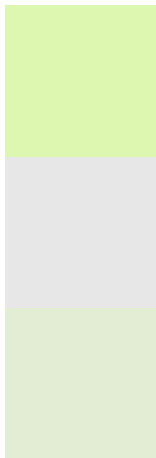
**Deuteranomaly**

84.4208, 0.3396, 0.3671

**Tritanomaly**

84.8956, 0.3133, 0.3446

# Monochromacy



**Original Color**

85.0283, 0.3382, 0.4055

**Achromatopsia**

79.9103, 0.3127, 0.3290

**Achromatomaly**

81.6024, 0.3222, 0.3566

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.0283, 0.3382, 0.4055 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(221, 247, 176)` looks like.

```
.text, #text, p{  
    color:rgb(221, 247, 176)  
}
```

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(221, 247, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 247, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 85.0283, 0.3382, 0.4055 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(221, 247, 176) }
```

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

```
.border{ border-color:rgb(221, 247, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 247, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 247, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 247, 176); box-shadow:4px 4px 4px 4px rgb(221, 247, 176) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.0283, 0.3382, 0.4055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 247, 176) }
```

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

```
.background{ background-color: rgb(221,  
247, 176) }
```

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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