

# Converting Colors

$Yxy(85.6166, 0.3151, 0.4156)$

Have a look what the booklet for  
Yxy(85.6166, 0.3151, 0.4156)  
contains.

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# Color

**Yxy(85.5532, 0.3152, 0.4162)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<code>BDFFB2</code>
RGB	189, 255, 178
RGB Percent	74%, 100%, 70%
CMY	0.2586, 0.0000, 0.3020
CMYK	0.26, 0.00, 0.30, 0.00
HSL	111°, 100%, 85%
HSV	111°, 30%, 100%
XYZ	64.7919, 85.5532, 55.2129
YIQ	226.4880, -14.6190, -37.9390

# Conversions

## Conversions Part 2

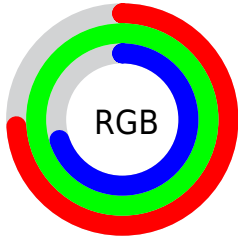
Format	Color
<b>RYB</b>	178, 255, 244
Decimal	12451762
CIELab	94.12, -34.61, 30.38
CIELCh	94, 46.054, 138.730
Yxy	85.5532, 0.3152, 0.4162
Android (android.graphics.Color)	4290641842 (0xFFBDFFB2)
YUV	226.4880, -23.9046, -32.8770
Hunter-Lab	92.4950, -36.8286, 29.3546

# Details

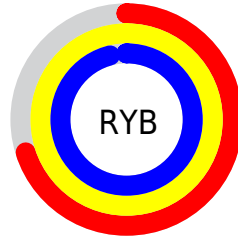
The Yxy color **85.5532, 0.3152, 0.4162** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **58.2780, 0.3076, 0.2516**, and the grayscale version is **76.6190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0533, 0.3193, 0.3496**, and **46.9372, 0.3142, 0.4372** is the 20% darker color. If you saturate the color by 10%, you get **82.0395, 0.3153, 0.4502**, and if you desaturate by 10%, it is **89.6850, 0.3147, 0.3843**.

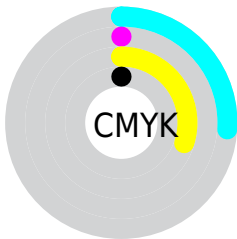
# Distribution



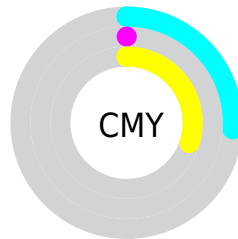
- Red (74%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (96%)



- Cyan (26%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)




- Cyan (26%)
- Magenta (0%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5532, 0.3152, 0.4162 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 85.5532, 0.3152, 0.4162 by changing the saturation by 10% instead.



 85.5532, 0.3152,  
0.4162

 85.5532, 0.3152,  
0.4162


513.4568, 0.3152,  
0.3750

 64.2986, 0.3149,  
0.4257


 141.1458, 0.3155,  
0.4018

 46.8925, 0.3143,  
0.4376


176.2526, 0.3155,  
0.3962

 32.9507, 0.3134,  
0.4526


216.7456, 0.3155,  
0.3914

 22.0887, 0.3117,  
0.4724

263.0091, 0.3155,  
0.3873

 13.9221, 0.3087,  
0.4993

315.4276, 0.3154,  
0.3837

 8.0665, 0.3027,  
0.5377


374.3854, 0.3154,


 4.1375, 0.2902,


0.3804


0.5967


440.2670, 0.3153,  
0.3776

 1.7508, 0.2680,  
0.7320


 0.4562, 0.0000,  
1.0000


 85.5532, 0.3152,  
0.4162

 85.5532, 0.3152,  
0.4162


 82.0395, 0.3153,  
0.4502


 89.6850, 0.3147,  
0.3843


 79.1037, 0.3148,  
0.4851

 94.4512, 0.3138,  
0.3553

 76.7177, 0.3136,  
0.5187

 99.8811, 0.3127,  
0.3295

 74.8466, 0.3117,  
0.5487

 99.9966, 0.3127,  
0.3290

■ 73.4515, 0.3091,  
0.5727

■ 72.4877, 0.3061,  
0.5889

■ 71.9033, 0.3033,  
0.5974

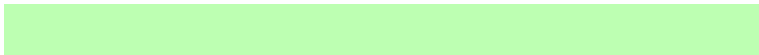
# Harmonies

## Analogous

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



85.5532, 0.3659, 0.4234



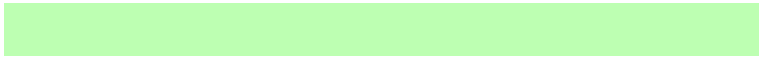
85.5532, 0.3152, 0.4162



85.5532, 0.2662, 0.3780

# Triad

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



85.5532, 0.3152, 0.4162



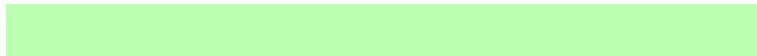
85.5532, 0.2265, 0.2523



85.5532, 0.4003, 0.3235

# Complementary

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



85.5532, 0.3152, 0.4162



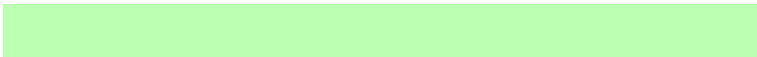
58.2780, 0.3076, 0.2516

# 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.



85.5532, 0.3567, 0.2857



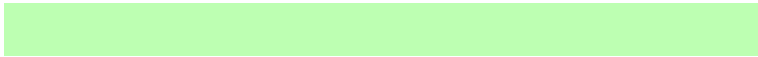
85.5532, 0.3152, 0.4162



85.5532, 0.2562, 0.2459

# Square

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



85.5532, 0.3152, 0.4162



85.5532, 0.2178, 0.2794



85.5532, 0.3031, 0.2582

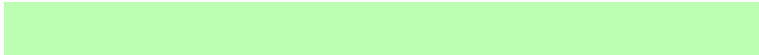


85.5532, 0.4178, 0.3649



# Rectangle

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



85.5532, 0.3152, 0.4162



85.5532, 0.2409, 0.3429



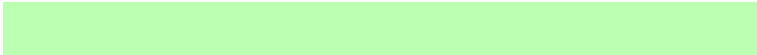
85.5532, 0.3031, 0.2582



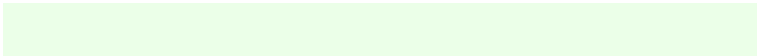
85.5532, 0.3880, 0.3102

# Sweetspot

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



85.5568, 0.3152, 0.4162



95.0705, 0.3137, 0.3521



88.8405, 0.3616, 0.3944



20.1894, 0.3138, 0.3560



0.0000, 0.0000, 0.0000

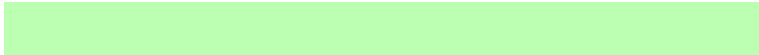


21.4041, 0.3127, 0.3290

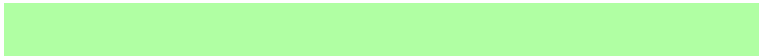


# Same Dimension

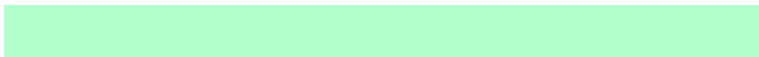
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5568, 0.3152, 0.4162



83.4474, 0.3153, 0.4358



85.3857, 0.2943, 0.3859



20.2933, 0.3137, 0.3534



37.6104, 0.3039, 0.5969



3.6978, 0.3098, 0.5923



# Inverse Universe

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



58.2780, 0.3076, 0.2516



52.3288, 0.3062, 0.2366



58.7007, 0.3375, 0.2784



18.1603, 0.3115, 0.3054



11.6404, 0.2848, 0.1342

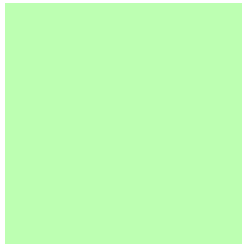


1.1680, 0.2891, 0.1366



# Previews

## White Background



This preview shows how the Yxy color 85.5532, 0.3152, 0.4162 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 85.5532, 0.3152, 0.4162 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

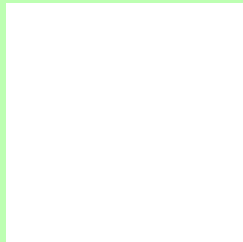
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.5532, 0.3152, 0.4162**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.5532, 0.3152, 0.4162.

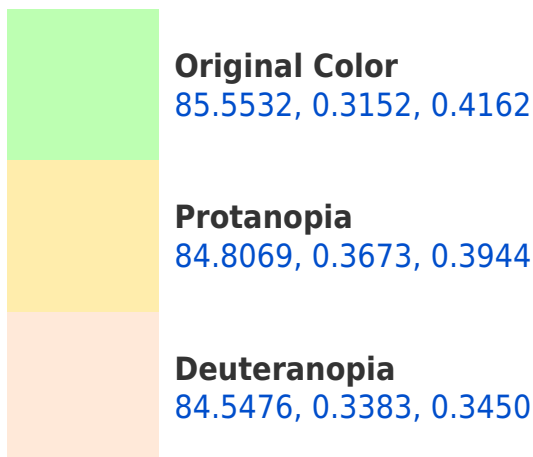


This preview shows how white text looks on a background with the Yxy color 85.5532, 0.3152, 0.4162.

# 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

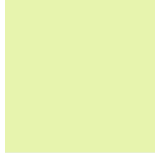
85.3232, 0.2889, 0.3155

# Trichromacy



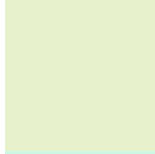
## Original Color

85.5532, 0.3152, 0.4162



## Protanomaly

84.7463, 0.3469, 0.4031



## Deuteranomaly

84.2113, 0.3295, 0.3690



## Tritanomaly

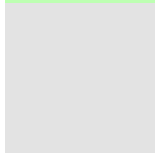
85.1894, 0.2986, 0.3505

# Monochromacy



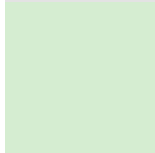
## Original Color

85.5532, 0.3152, 0.4162



## Achromatopsia

76.8151, 0.3127, 0.3290



## Achromatomaly

79.3180, 0.3139, 0.3597

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.5532, 0.3152, 0.4162 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(189, 255, 178)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 178)  
}
```

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(189, 255, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 85.5532, 0.3152, 0.4162 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(189, 255, 178) }
```

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

```
.border{ border-color:rgb(189, 255, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 255, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 178);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.5532, 0.3152, 0.4162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 178) }
```

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

```
.background{ background-color: rgb(189,  
255, 178) }
```

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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