

# Converting Colors

Yxy(99.5742, 0.3199, 0.4509)

Have a look what the booklet for  
Yxy(99.5742, 0.3199, 0.4509)  
contains.

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# Color

**Yxy(85.0192, 0.3226, 0.4323)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">BDFFA4</a>
RGB	<a href="#">189, 255, 164</a>
RGB Percent	<a href="#">74%, 100%, 64%</a>
CMY	<a href="#">0.2589, 0.0000, 0.3567</a>
CMYK	<a href="#">0.26, 0.00, 0.36, 0.00</a>
HSL	<a href="#">104°, 100%, 82%</a>
HSV	<a href="#">104°, 36%, 100%</a>
XYZ	<a href="#">63.4448, 85.0192, 48.2031</a>
YIQ	<a href="#">224.8920, -10.1250, -42.2930</a>

# Conversions

## Conversions Part 2

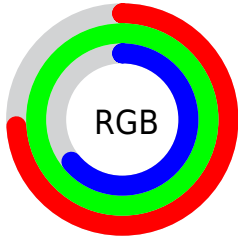
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">164, 255, 230</a>
Decimal	<a href="#">12451748</a>
CIELab	<a href="#">93.89, -36.70, 37.04</a>
CIElCh	<a href="#">94, 52.138, 134.733</a>
Yxy	<a href="#">85.0192, 0.3226, 0.4323</a>
Android (android.graphics.Color)	<a href="#">4290641828 (0xFFBDFFA4)</a>
YUV	<a href="#">224.8920, -30.0198, -31.4773</a>
Hunter-Lab	<a href="#">92.2059, -38.5383, 33.5486</a>

# Details

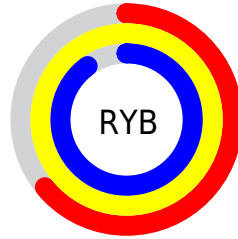
The Yxy color **85.0192, 0.3226, 0.4323** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.6155, 0.2968, 0.2348**, and the grayscale version is **75.4353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4615, 0.3281, 0.3637**, and **46.6042, 0.3231, 0.4578** is the 20% darker color. If you saturate the color by 10%, you get **81.9688, 0.3241, 0.4655**, and if you desaturate by 10%, it is **88.5526, 0.3204, 0.4003**.

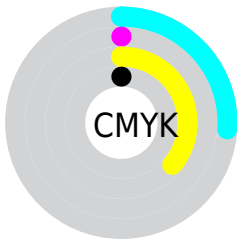
# Distribution



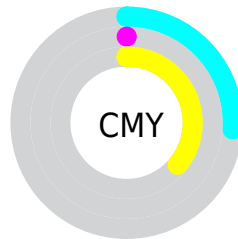
- Red (74%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (90%)



- Cyan (26%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)




- Cyan (26%)
- Magenta (0%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.0192, 0.3226, 0.4323 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 85.0192, 0.3226, 0.4323 by changing the saturation by 10% instead.





 85.0192, 0.3226,  
0.4323

 85.0192, 0.3226,  
0.4323


511.6916, 0.3198,  
0.3834

 63.8572, 0.3228,  
0.4436


 140.4000, 0.3220,  
0.4152

 46.5351, 0.3227,  
0.4576


 175.3876, 0.3217,  
0.4086

 32.6683, 0.3223,  
0.4754


215.7526, 0.3213,  
0.4029

 21.8724, 0.3210,  
0.4986

261.8793, 0.3210,  
0.3980

 13.7632, 0.3179,  
0.5299

314.1522, 0.3207,  
0.3936

 7.9561, 0.3110,  
0.5736


372.9556, 0.3204,


 4.0669, 0.3016,


0.3898


0.6519


438.6739, 0.3201,  
0.3864


 1.7111, 0.2485,  
0.7515

 0.4308, 0.0000,  
1.0000


 85.0192, 0.3226,  
0.4323


 85.0192, 0.3226,  
0.4323


 81.9688, 0.3241,  
0.4655


 88.5526, 0.3204,  
0.4003

 79.3845, 0.3244,  
0.4983

 92.5955, 0.3176,  
0.3704

 77.2403, 0.3235,  
0.5289

 97.1658, 0.3145,  
0.3432

 75.5092, 0.3212,  
0.5551

100.0000, 0.3127,  
0.3290

■ 74.1611, 0.3175,  
0.5750

■ 73.1609, 0.3129,  
0.5876

■ 72.8191, 0.3109,  
0.5914

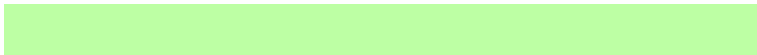
# Harmonies

## Analogous

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



85.0192, 0.3790, 0.4342



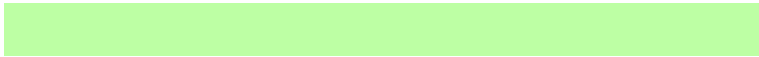
85.0192, 0.3226, 0.4323



85.0192, 0.2664, 0.3925

# Triad

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



85.0192, 0.3226, 0.4323



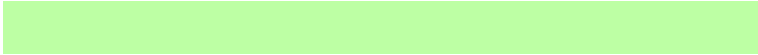
85.0192, 0.2135, 0.2453



85.0192, 0.4070, 0.3161

# Complementary

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



85.0192, 0.3226, 0.4323



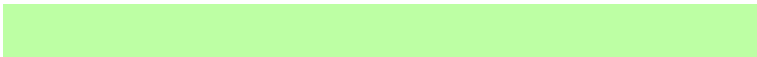
50.6155, 0.2968, 0.2348

# Split Complementary

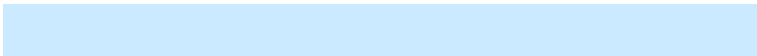
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.0192, 0.3545, 0.2755



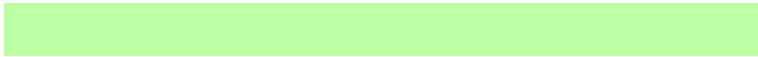
85.0192, 0.3226, 0.4323



85.0192, 0.2434, 0.2357

# Square

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



85.0192, 0.3226, 0.4323



85.0192, 0.2070, 0.2781



85.0192, 0.2936, 0.2470

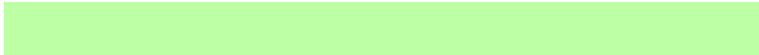


85.0192, 0.4313, 0.3620



# Rectangle

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



85.0192, 0.3226, 0.4323



85.0192, 0.2366, 0.3527



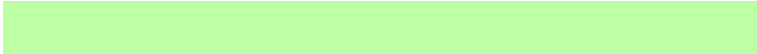
85.0192, 0.2936, 0.2470



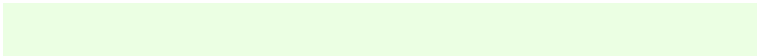
85.0192, 0.3918, 0.3016

# Sweetspot

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



85.0173, 0.3226, 0.4323



94.6644, 0.3162, 0.3573



80.1055, 0.3750, 0.3951



20.1310, 0.3166, 0.3611



0.0000, 0.0000, 0.0000

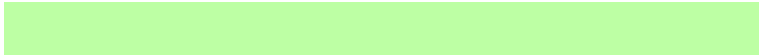


21.4041, 0.3127, 0.3290

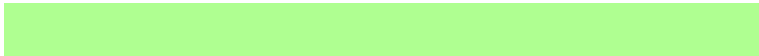


# Same Dimension

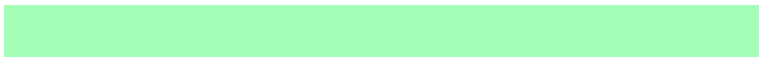
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0173, 0.3226, 0.4323



82.7372, 0.3238, 0.4566



82.8660, 0.2976, 0.4130



20.4091, 0.3157, 0.3533



38.1125, 0.3118, 0.5906



3.7623, 0.3198, 0.5843



# Inverse Universe

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



50.6155, 0.2968, 0.2348



43.5750, 0.2923, 0.2149



53.8380, 0.3329, 0.2577



18.0353, 0.3094, 0.3053



9.2453, 0.2523, 0.1164

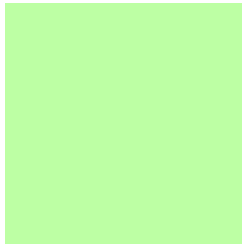


0.9545, 0.2604, 0.1208



# Previews

## White Background



This preview shows how the Yxy color 85.0192, 0.3226, 0.4323 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

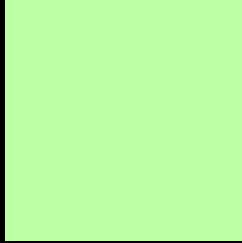
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.0192, 0.3226, 0.4323 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

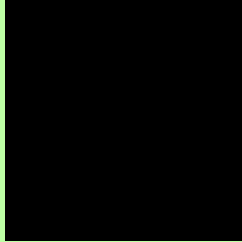
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

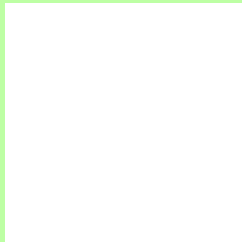
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.0192, 0.3226, 0.4323**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.0192, 0.3226, 0.4323.

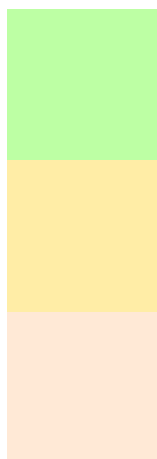


This preview shows how white text looks on a background with the Yxy color 85.0192, 0.3226, 0.4323.

# 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

85.0192, 0.3226, 0.4323

### Protanopia

84.5815, 0.3711, 0.4004

### Deuteranopia

84.3929, 0.3403, 0.3481



## Tritanopia

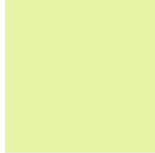
84.5777, 0.2883, 0.3145

# Trichromacy



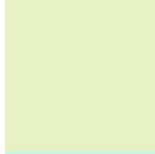
## Original Color

85.0192, 0.3226, 0.4323



## Protanomaly

84.4069, 0.3524, 0.4126



## Deuteranomaly

83.8850, 0.3339, 0.3766



## Tritanomaly

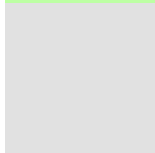
84.3073, 0.3014, 0.3550

# Monochromacy



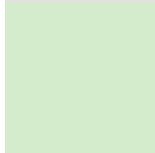
## Original Color

85.0192, 0.3226, 0.4323



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

78.2998, 0.3170, 0.3654

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.0192, 0.3226, 0.4323 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 85.0192, 0.3226, 0.4323 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, 164) }
```

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

```
.border{ border-color:rgb(189, 255, 164) }
```

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, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 164);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.0192, 0.3226, 0.4323 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, 164) }
```

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

```
.background{ background-color: rgb(189,  
255, 164) }
```

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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