

Converting Colors

$Yxy(85.4399, 0.3143, 0.4158)$

Have a look what the booklet for
Yxy(85.4399, 0.3143, 0.4158)
contains.

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Color

Yxy(85.4257, 0.3145, 0.4164)

Conversions

Conversions Part 1

Format	Color
Hex	BCFFB2
RGB	188, 255, 178
RGB Percent	74%, 100%, 70%
CMY	0.2630, 0.0000, 0.3020
CMYK	0.26, 0.00, 0.30, 0.00
HSL	112°, 100%, 85%
HSV	112°, 30%, 100%
XYZ	64.5206, 85.4257, 55.2067
YIQ	226.1890, -15.2150, -38.1510

Conversions

Conversions Part 2

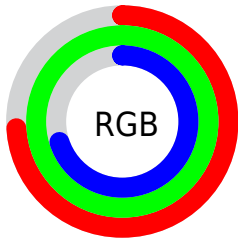
Format	Color
RYB	178, 255, 245
Decimal	12386226
CIELab	94.07, -34.99, 30.29
CIELCh	94, 46.281, 139.121
Yxy	85.4257, 0.3145, 0.4164
Android (android.graphics.Color)	4290576306 (0xFFBCFFB2)
YUV	226.1890, -23.7572, -33.4918
Hunter-Lab	92.4260, -37.1385, 29.2839

Details

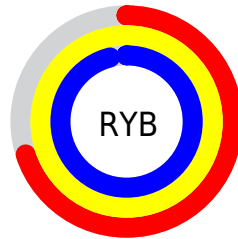
The Yxy color **85.4257, 0.3145, 0.4164** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **58.4873, 0.3085, 0.2518**, and the grayscale version is **76.3624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8730, 0.3186, 0.3497**, and **46.8554, 0.3134, 0.4375** is the 20% darker color. If you saturate the color by 10%, you get **81.8791, 0.3144, 0.4506**, and if you desaturate by 10%, it is **89.5775, 0.3142, 0.3844**.

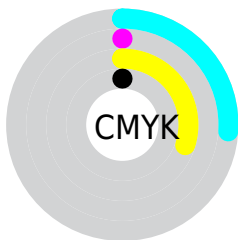
Distribution



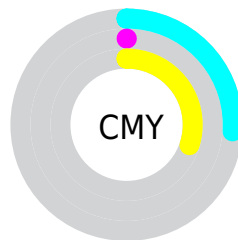
- Red (74%)
- Green (100%)
- Blue (70%)



- 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 85.4257, 0.3145, 0.4164 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 85.4257, 0.3145, 0.4164 by changing the saturation by 10% instead.


 85.4257, 0.3145,
0.4164

 85.4257, 0.3145,
0.4164


513.0356, 0.3149,
0.3751

 64.1932, 0.3141,
0.4260


 140.9678, 0.3149,
0.4019

 46.8072, 0.3135,
0.4379


176.0462, 0.3149,
0.3964

 32.8832, 0.3124,
0.4530


216.5086, 0.3150,
0.3916

 22.0370, 0.3106,
0.4728

262.7395, 0.3150,
0.3874

 13.8841, 0.3073,
0.4999

315.1232, 0.3150,
0.3838

 8.0401, 0.3011,
0.5386

374.0443, 0.3149,


 4.1206, 0.2882,

0.3805

0.5981


439.8869, 0.3149,
0.3777


 1.7413, 0.2644,
0.7356


 0.4502, 0.0000,
1.0000


 85.4257, 0.3145,
0.4164


 85.4257, 0.3145,
0.4164


 81.8791, 0.3144,
0.4506


 89.5775, 0.3142,
0.3844


 78.9363, 0.3137,
0.4856

 94.3918, 0.3136,
0.3553

 76.5548, 0.3125,
0.5194

 99.8854, 0.3127,
0.3295

 74.6983, 0.3105,
0.5495

 100.0000, 0.3127,
0.3290

■ 73.3264, 0.3081,
0.5734

■ 72.3923, 0.3053,
0.5895

■ 71.8411, 0.3028,
0.5978

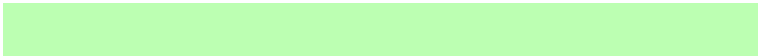
Harmonies

Analogous

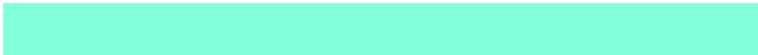
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4257, 0.3656, 0.4240



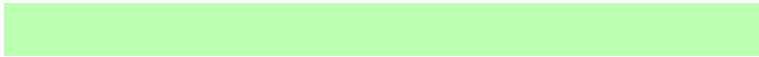
85.4257, 0.3145, 0.4164



85.4257, 0.2654, 0.3777

Triad

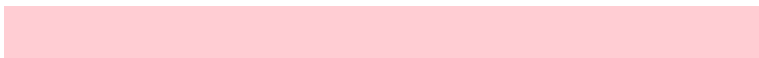
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.4257, 0.3145, 0.4164



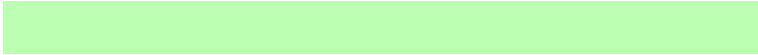
85.4257, 0.2263, 0.2517



85.4257, 0.4012, 0.3240

Complementary

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



85.4257, 0.3145, 0.4164



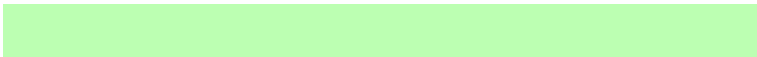
58.4873, 0.3085, 0.2518

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.



85.4257, 0.3576, 0.2860



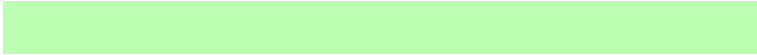
85.4257, 0.3145, 0.4164



85.4257, 0.2565, 0.2455

Square

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



85.4257, 0.3145, 0.4164



85.4257, 0.2173, 0.2786



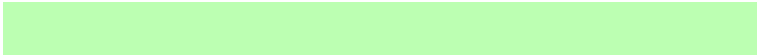
85.4257, 0.3037, 0.2581



85.4257, 0.4184, 0.3656

Rectangle

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



85.4257, 0.3145, 0.4164



85.4257, 0.2401, 0.3423



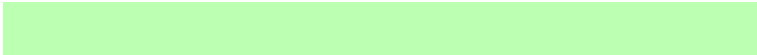
85.4257, 0.3037, 0.2581



85.4257, 0.3890, 0.3106

Sweetspot

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



85.4160, 0.3145, 0.4164



95.0125, 0.3135, 0.3521



89.6180, 0.3612, 0.3955



20.1752, 0.3136, 0.3560



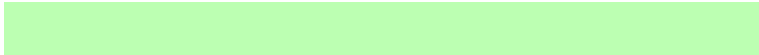
0.0000, 0.0000, 0.0000



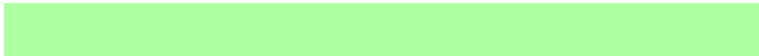
21.4041, 0.3127, 0.3290

Same Dimension

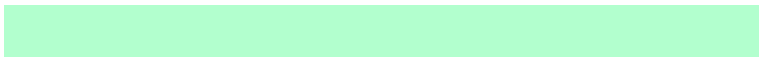
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4160, 0.3145, 0.4164



83.2890, 0.3145, 0.4360



85.4526, 0.2937, 0.3843



20.2803, 0.3135, 0.3534



37.5730, 0.3033, 0.5974



3.6917, 0.3088, 0.5930

Inverse Universe

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



58.4873, 0.3085, 0.2518



52.5703, 0.3073, 0.2369



58.6342, 0.3385, 0.2796



18.1746, 0.3117, 0.3054



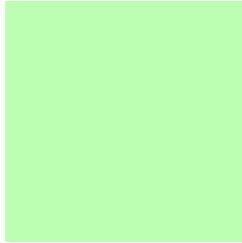
11.9449, 0.2885, 0.1363



1.1947, 0.2924, 0.1385

Previews

White Background



This preview shows how the Yxy color 85.4257, 0.3145, 0.4164 looks on a white background.

Color Contrast Check

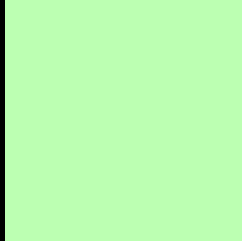
Large Text (above 18pt) WCAG AA × Fail

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 85.4257, 0.3145, 0.4164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

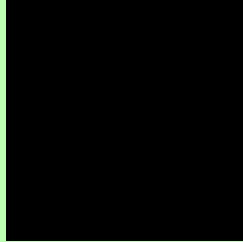
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.4257, 0.3145, 0.4164

Background



This preview shows how black text looks on a background with the Yxy color 85.4257, 0.3145, 0.4164.

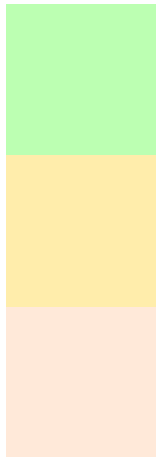


This preview shows how white text looks on a background with the Yxy color 85.4257, 0.3145, 0.4164.

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

85.4257, 0.3145, 0.4164

Protanopia

84.7686, 0.3679, 0.3954

Deuteranopia

84.5476, 0.3383, 0.3450



Tritanopia

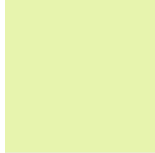
85.1713, 0.2883, 0.3155

Trichromacy



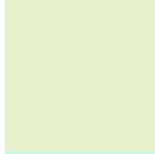
Original Color

85.4257, 0.3145, 0.4164



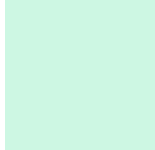
Protanomaly

84.7463, 0.3469, 0.4031



Deuteranomaly

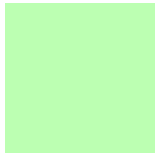
84.2113, 0.3295, 0.3690



Tritanomaly

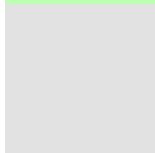
85.0467, 0.2980, 0.3505

Monochromacy



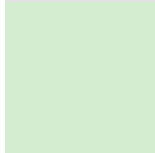
Original Color

85.4257, 0.3145, 0.4164



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.1689, 0.3133, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.4257, 0.3145, 0.4164 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(188, 255, 178)` looks like.

```
.text, #text, p{  
    color:rgb(188, 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(188, 255, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 255, 178) }
```

Border

The CSS property to change the border of an element to Yxy 85.4257, 0.3145, 0.4164 is called "border". The border property can be set on classes, ids or directly on the HTML element.

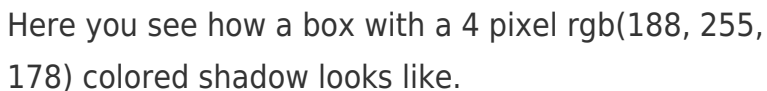
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 255, 178) }
```

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

```
.border{ border-color:rgb(188, 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(188, 255, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 255, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 255, 178);  
box-shadow:4px 4px 4px 4px rgb(188, 255,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 85.4257, 0.3145, 0.4164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 255, 178) }
```

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

```
.background{ background-color: rgb(188,  
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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