

Converting Colors

$Yxy(95.0799, 0.3195, 0.4241)$

Have a look what the booklet for
Yxy(95.0799, 0.3195, 0.4241)
contains.

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Color

Yxy(86.9168, 0.3208, 0.4134)

Conversions

Conversions Part 1

Format	Color
Hex	C7FFB3
RGB	199, 255, 179
RGB Percent	78%, 100%, 70%
CMY	0.2197, 0.0000, 0.2979
CMYK	0.22, 0.00, 0.30, 0.00
HSL	104°, 100%, 85%
HSV	104°, 30%, 100%
XYZ	67.4478, 86.9168, 55.8841
YIQ	229.5920, -8.9800, -35.5080

Conversions

Conversions Part 2

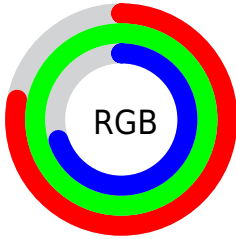
Format	Color
RYB	179, 255, 235
Decimal	13107123
CIELab	94.70, -31.19, 30.74
CIELCh	95, 43.791, 135.419
Yxy	86.9168, 0.3208, 0.4134
Android (android.graphics.Color)	4291297203 (0xFFC7FFB3)
YUV	229.5920, -24.9419, -26.8292
Hunter-Lab	93.2292, -34.0131, 29.7204

Details

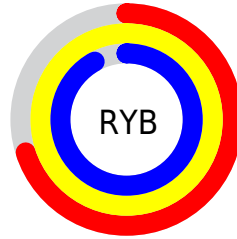
The Yxy color **86.9168, 0.3208, 0.4134** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.1430, 0.3007, 0.2510**, and the grayscale version is **79.0030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7782, 0.3244, 0.3483**, and **47.8238, 0.3213, 0.4332** is the 20% darker color. If you saturate the color by 10%, you get **83.5618, 0.3226, 0.4462**, and if you desaturate by 10%, it is **90.7771, 0.3184, 0.3825**.

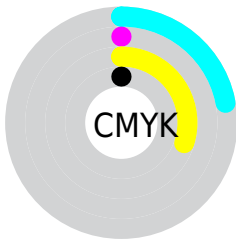
Distribution



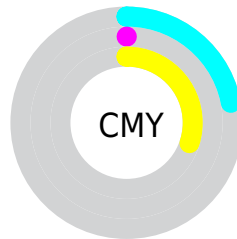
- Red (78%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (92%)



- Cyan (22%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.9168, 0.3208, 0.4134 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 86.9168, 0.3208, 0.4134 by changing the saturation by 10% instead.


 86.9168, 0.3208,
0.4134

 86.9168, 0.3208,
0.4134


517.9494, 0.3183,
0.3738

 65.4264, 0.3211,
0.4225


 143.0482, 0.3202,
0.3996

 47.8069, 0.3213,
0.4338


178.4579, 0.3198,
0.3943

 33.6740, 0.3213,
0.4480


219.2761, 0.3195,
0.3897

 22.6433, 0.3208,
0.4667

265.8873, 0.3192,
0.3857

 14.3303, 0.3194,
0.4918

318.6759, 0.3190,
0.3822

 8.3508, 0.3159,
0.5275


378.0261, 0.3187,


 4.3202, 0.3071,


0.3791


0.5813


444.3225, 0.3185,
0.3763


 1.8542, 0.2976,
0.7024


 0.5206, 0.0000,
1.0000


 86.9168, 0.3208,
0.4134


 86.9168, 0.3208,
0.4134

 83.5618, 0.3226,
0.4462


 90.7771, 0.3184,
0.3825

 80.6950, 0.3235,
0.4796

 95.1683, 0.3156,
0.3541

 78.2909, 0.3232,
0.5119

100.0000, 0.3127,
0.3290

 76.3237, 0.3217,
0.5410

■ 74.7645, 0.3188,
0.5649

■ 73.5805, 0.3147,
0.5818

■ 72.7269, 0.3101,
0.5919

■ 72.7119, 0.3100,
0.5921

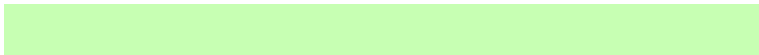
Harmonies

Analogous

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



86.9168, 0.3682, 0.4172



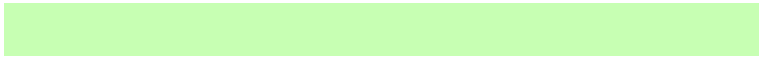
86.9168, 0.3208, 0.4134



86.9168, 0.2734, 0.3802

Triad

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



86.9168, 0.3208, 0.4134



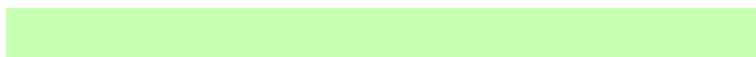
86.9168, 0.2288, 0.2582



86.9168, 0.3920, 0.3198

Complementary

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



86.9168, 0.3208, 0.4134



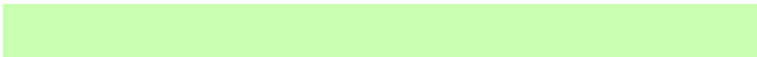
57.1430, 0.3007, 0.2510

Split Complementary

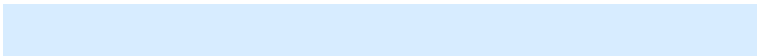
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.9168, 0.3490, 0.2845



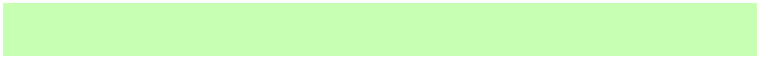
86.9168, 0.3208, 0.4134



86.9168, 0.2551, 0.2497

Square

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



86.9168, 0.3208, 0.4134



86.9168, 0.2228, 0.2863



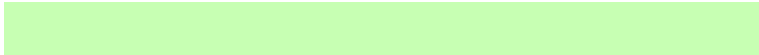
86.9168, 0.2983, 0.2595



86.9168, 0.4118, 0.3592

Rectangle

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



86.9168, 0.3208, 0.4134



86.9168, 0.2481, 0.3479



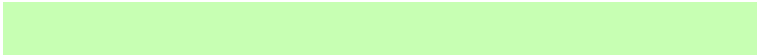
86.9168, 0.2983, 0.2595



86.9168, 0.3796, 0.3072

Sweetspot

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



86.9151, 0.3208, 0.4134



95.5394, 0.3154, 0.3519



83.7845, 0.3633, 0.3853



20.3041, 0.3158, 0.3559



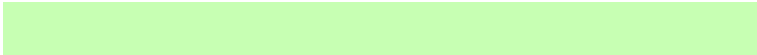
0.0000, 0.0000, 0.0000



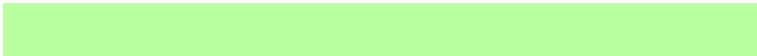
21.4041, 0.3127, 0.3290

Same Dimension

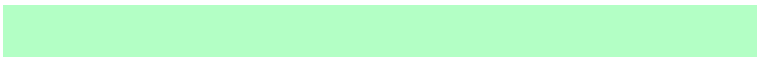
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9151, 0.3208, 0.4134



84.7749, 0.3220, 0.4336



85.1273, 0.2992, 0.3955



20.3987, 0.3155, 0.3533



38.0545, 0.3109, 0.5913



3.7554, 0.3188, 0.5851

Inverse Universe

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



57.1430, 0.3007, 0.2510



50.4568, 0.2974, 0.2341



59.6426, 0.3299, 0.2707



18.0463, 0.3096, 0.3053



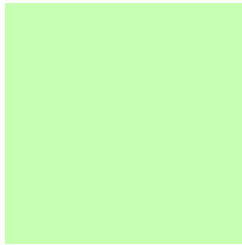
9.4379, 0.2551, 0.1179



0.9719, 0.2629, 0.1222

Previews

White Background



This preview shows how the Yxy color 86.9168, 0.3208, 0.4134 looks on a white background.

Color Contrast Check

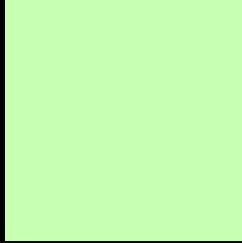
Large Text (above 18pt) WCAG AA × Fail

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 86.9168, 0.3208, 0.4134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

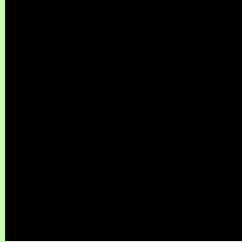
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

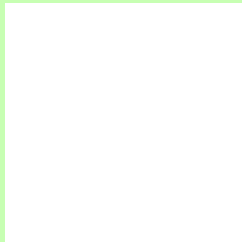
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.9168, 0.3208, 0.4134

Background



This preview shows how black text looks on a background with the Yxy color 86.9168, 0.3208, 0.4134.

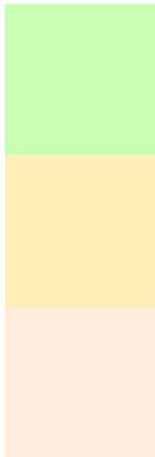


This preview shows how white text looks on a background with the Yxy color 86.9168, 0.3208, 0.4134.

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

86.9168, 0.3208, 0.4134

Protanopia

86.3704, 0.3602, 0.3863

Deuteranopia

86.4714, 0.3353, 0.3439



Tritanopia

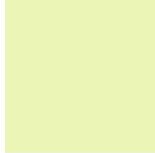
86.4122, 0.2931, 0.3157

Trichromacy



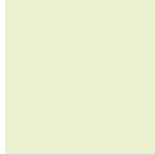
Original Color

86.9168, 0.3208, 0.4134



Protanomaly

86.3032, 0.3453, 0.3959



Deuteranomaly

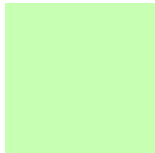
86.2196, 0.3301, 0.3675



Tritanomaly

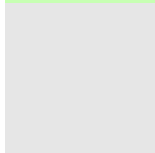
86.3637, 0.3035, 0.3502

Monochromacy



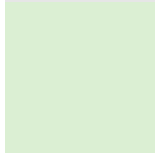
Original Color

86.9168, 0.3208, 0.4134



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.4962, 0.3166, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.9168, 0.3208, 0.4134 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(199, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 179)  
}
```

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(199, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 179) }
```

Border

The CSS property to change the border of an element to Yxy 86.9168, 0.3208, 0.4134 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(199, 255, 179) }
```

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

```
.border{ border-color:rgb(199, 255, 179) }
```

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

Here you see how a box with a 4 pixel rgb(199, 255, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9168, 0.3208, 0.4134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 179) }
```

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

```
.background{ background-color: rgb(199,  
255, 179) }
```

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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