

Converting Colors

$Y_{xy}(100.0000, 0.3179, 0.4300)$

Have a look what the booklet for
Yxy(100.0000, 0.3179, 0.4300)
contains.

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Color

Yxy(86.8211, 0.3197, 0.4125)

Conversions

Conversions Part 1

Format	Color
Hex	C6FFB4
RGB	198, 255, 180
RGB Percent	78%, 100%, 71%
CMY	0.2234, 0.0000, 0.2943
CMYK	0.22, 0.00, 0.29, 0.00
HSL	106°, 100%, 85%
HSV	106°, 29%, 100%
XYZ	67.2890, 86.8211, 56.3653
YIQ	229.4070, -9.8970, -35.4090

Conversions

Conversions Part 2

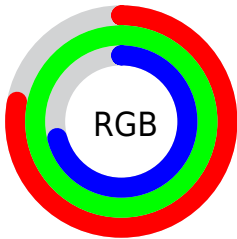
Format	Color
RYB	180, 255, 237
Decimal	13041588
CIELab	94.66, -31.37, 30.21
CIElCh	95, 43.547, 136.076
Yxy	86.8211, 0.3197, 0.4125
Android (android.graphics.Color)	4291231668 (0xFFC6FFB4)
YUV	229.4070, -24.3577, -27.5439
Hunter-Lab	93.1778, -34.1563, 29.3587

Details

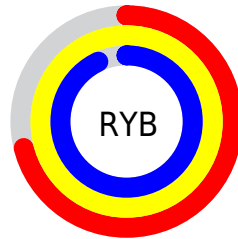
The Yxy color **86.8211, 0.3197, 0.4125** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.8345, 0.3022, 0.2523**, and the grayscale version is **78.8611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8361, 0.3238, 0.3473**, and **47.7601, 0.3198, 0.4320** is the 20% darker color. If you saturate the color by 10%, you get **83.4132, 0.3212, 0.4454**, and if you desaturate by 10%, it is **90.7611, 0.3176, 0.3815**.

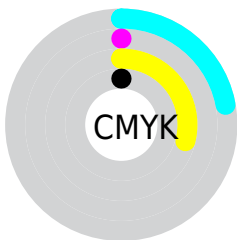
Distribution



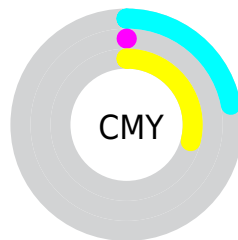
- Red (78%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (93%)



- Cyan (22%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8211, 0.3197, 0.4125 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 86.8211, 0.3197, 0.4125 by changing the saturation by 10% instead.


 86.8211, 0.3197,
0.4125

 86.8211, 0.3197,
0.4125


517.6348, 0.3176,
0.3733

 65.3472, 0.3199,
0.4215

 142.9148, 0.3192,
0.3988

 47.7426, 0.3200,
0.4327


178.3033, 0.3190,
0.3935

 33.6231, 0.3198,
0.4468


219.0988, 0.3187,
0.3890

 22.6042, 0.3192,
0.4653

265.6856, 0.3185,
0.3850

 14.3015, 0.3176,
0.4903

318.4483, 0.3182,
0.3816

 8.3307, 0.3139,
0.5258

377.7711, 0.3180,

 4.3073, 0.3048,

0.3785

0.5794

444.0385, 0.3178,
0.3758

1.8469, 0.2962,
0.7038

0.5161, 0.0000,
1.0000

86.8211, 0.3197,
0.4125

86.8211, 0.3197,
0.4125

83.4132, 0.3212,
0.4454

90.7611, 0.3176,
0.3815

80.5072, 0.3219,
0.4791

95.2477, 0.3152,
0.3531

78.0804, 0.3214,
0.5118

100.0000, 0.3127,
0.3290

76.1058, 0.3198,
0.5413

■ 74.5530, 0.3170,
0.5655

■ 73.3878, 0.3131,
0.5827

■ 72.5646, 0.3087,
0.5928

■ 72.5258, 0.3085,
0.5933

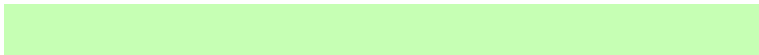
Harmonies

Analogous

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



86.8211, 0.3670, 0.4170



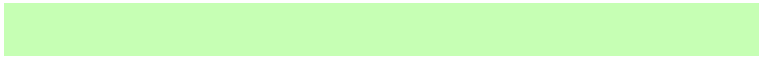
86.8211, 0.3197, 0.4125



86.8211, 0.2727, 0.3790

Triad

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



86.8211, 0.3197, 0.4125



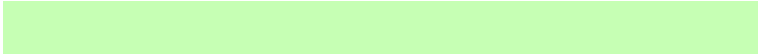
86.8211, 0.2295, 0.2581



86.8211, 0.3923, 0.3207

Complementary

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



86.8211, 0.3197, 0.4125



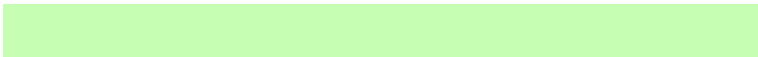
57.8345, 0.3022, 0.2523

Split Complementary

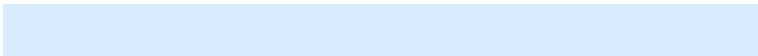
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.8211, 0.3499, 0.2854



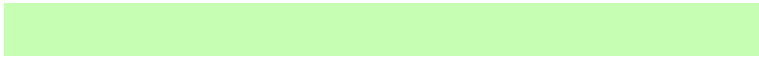
86.8211, 0.3197, 0.4125



86.8211, 0.2562, 0.2501

Square

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



86.8211, 0.3197, 0.4125



86.8211, 0.2232, 0.2857



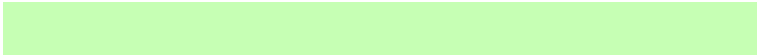
86.8211, 0.2994, 0.2602



86.8211, 0.4113, 0.3600

Rectangle

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



86.8211, 0.3197, 0.4125



86.8211, 0.2477, 0.3467



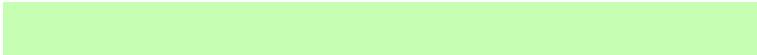
86.8211, 0.2994, 0.2602



86.8211, 0.3801, 0.3081

Sweetspot

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



86.8235, 0.3197, 0.4125



95.4533, 0.3151, 0.3520



84.6816, 0.3623, 0.3857



20.2830, 0.3154, 0.3559



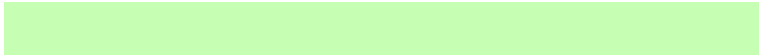
0.0000, 0.0000, 0.0000



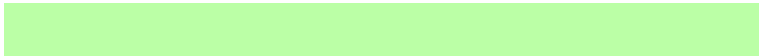
21.4041, 0.3127, 0.3290

Same Dimension

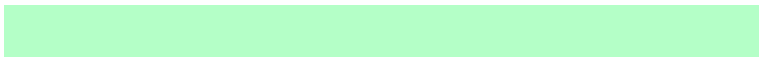
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8235, 0.3197, 0.4125



84.8604, 0.3206, 0.4307



85.3280, 0.2987, 0.3931



20.3793, 0.3152, 0.3533



37.9533, 0.3094, 0.5926



3.7432, 0.3169, 0.5866

Inverse Universe

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



57.8345, 0.3022, 0.2523



51.8095, 0.2995, 0.2372



59.9536, 0.3306, 0.2726



18.0670, 0.3099, 0.3053



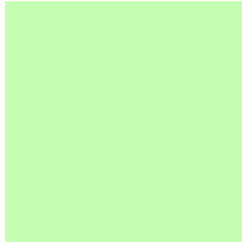
9.8085, 0.2605, 0.1209



1.0053, 0.2676, 0.1248

Previews

White Background



This preview shows how the Yxy color 86.8211, 0.3197, 0.4125 looks on a white background.

Color Contrast Check

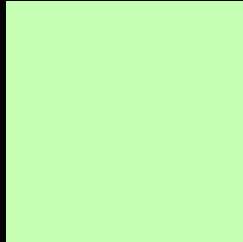
Large Text (above 18pt) WCAG AA × Fail

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 86.8211, 0.3197, 0.4125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

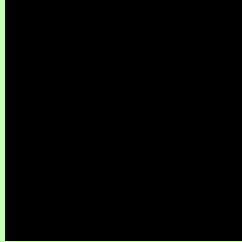
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

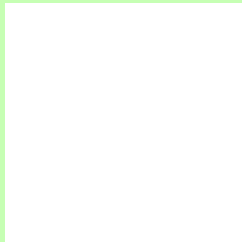
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8211, 0.3197, 0.4125

Background



This preview shows how black text looks on a background with the Yxy color 86.8211, 0.3197, 0.4125.

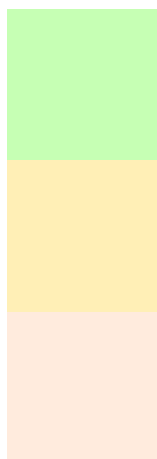


This preview shows how white text looks on a background with the Yxy color 86.8211, 0.3197, 0.4125.

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

86.8211, 0.3197, 0.4125

Protanopia

86.3704, 0.3602, 0.3863

Deuteranopia

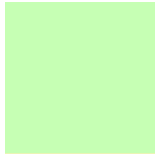
85.8971, 0.3354, 0.3430



Tritanopia

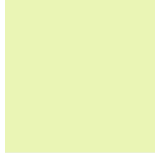
86.2539, 0.2925, 0.3157

Trichromacy



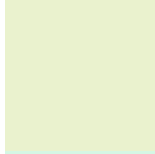
Original Color

86.8211, 0.3197, 0.4125



Protanomaly

86.1334, 0.3446, 0.3961



Deuteranomaly

85.4529, 0.3296, 0.3666



Tritanomaly

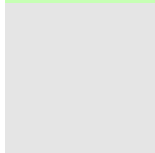
86.2691, 0.3023, 0.3491

Monochromacy



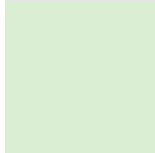
Original Color

86.8211, 0.3197, 0.4125



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.7576, 0.3160, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8211, 0.3197, 0.4125 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(198, 255, 180)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 180)  
}
```

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(198, 255, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 180) }
```

Border

The CSS property to change the border of an element to Yxy 86.8211, 0.3197, 0.4125 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(198, 255, 180) }
```

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

```
.border{ border-color:rgb(198, 255, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 255, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 180);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8211, 0.3197, 0.4125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 180) }
```

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

```
.background{ background-color: rgb(198,  
255, 180) }
```

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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