

Converting Colors

Yxy(86.8620, 0.3191, 0.4113)

Have a look what the booklet for
Yxy(86.8620, 0.3191, 0.4113)
contains.

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Color

Yxy(86.8620, 0.3191, 0.4113)

Conversions

Conversions Part 1

Format	Color
Hex	C6FFB5
RGB	198, 255, 181
RGB Percent	78%, 100%, 71%
CMY	0.2235, 0.0000, 0.2901
CMYK	0.22, 0.00, 0.29, 0.00
HSL	106°, 100%, 85%
HSV	106°, 29%, 100%
XYZ	67.3904, 86.8620, 56.9365
YIQ	229.5210, -10.2180, -35.0980

Conversions

Conversions Part 2

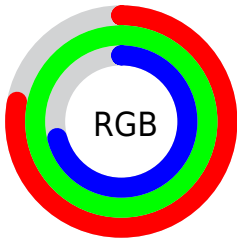
Format	Color
RYB	181, 255, 238
Decimal	13041589
CIELab	94.68, -31.22, 29.70
CIElCh	95, 43.087, 136.428
Yxy	86.8620, 0.3191, 0.4113
Android (android.graphics.Color)	4291231669 (0xFFC6FFB5)
YUV	229.5210, -23.9209, -27.6439
Hunter-Lab	93.1998, -34.0308, 29.0191

Details

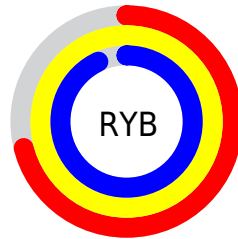
The Yxy color **86.8620, 0.3191, 0.4113** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.4527, 0.3030, 0.2536**, and the grayscale version is **78.9448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **47.7863, 0.3191, 0.4306** is the 20% darker color. If you saturate the color by 10%, you get **83.4111, 0.3205, 0.4443**, and if you desaturate by 10%, it is **90.8523, 0.3172, 0.3803**.

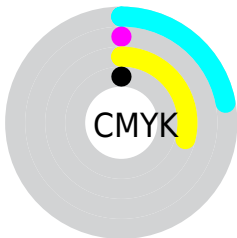
Distribution



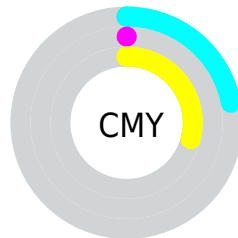
- Red (78%)
- Green (100%)
- Blue (71%)



- 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 86.8620, 0.3191, 0.4113 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 86.8620, 0.3191, 0.4113 by changing the saturation by 10% instead.


 86.8620, 0.3191,
0.4113

 86.8620, 0.3191,
0.4113


517.7693, 0.3173,
0.3727

 65.3810, 0.3192,
0.4202


 142.9718, 0.3187,
0.3978

 47.7701, 0.3193,
0.4312


178.3694, 0.3185,
0.3926

 33.6449, 0.3191,
0.4451


219.1746, 0.3182,
0.3881

 22.6209, 0.3184,
0.4633

265.7719, 0.3180,
0.3842

 14.3138, 0.3168,
0.4880

318.5456, 0.3178,
0.3808

 8.3393, 0.3131,
0.5231

377.8801, 0.3176,

 4.3128, 0.3040,

0.3778

0.5760

444.1599, 0.3174,
0.3751

■ 1.8500, 0.2973,
0.7027

■ 0.5181, 0.0000,
1.0000

■ 86.8620, 0.3191,
0.4113

■ 86.8620, 0.3191,
0.4113

■ 83.4111, 0.3205,
0.4443

■ 90.8523, 0.3172,
0.3803

■ 80.4736, 0.3210,
0.4781

■ 95.4018, 0.3149,
0.3520

■ 78.0247, 0.3206,
0.5110

100.0000, 0.3127,
0.3290

■ 76.0366, 0.3189,
0.5408

■ 74.4784, 0.3161,
0.5654

■ 73.3152, 0.3124,
0.5829

■ 72.5014, 0.3081,
0.5931

■ 72.4361, 0.3077,
0.5939

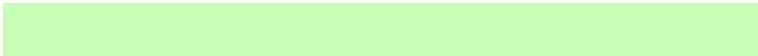
Harmonies

Analogous

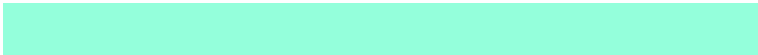
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8620, 0.3660, 0.4161



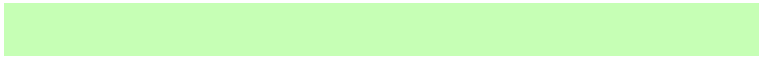
86.8620, 0.3191, 0.4113



86.8620, 0.2726, 0.3779

Triad

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



86.8620, 0.3191, 0.4113



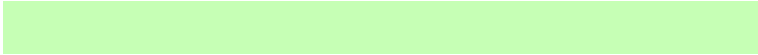
86.8620, 0.2306, 0.2587



86.8620, 0.3918, 0.3213

Complementary

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



86.8620, 0.3191, 0.4113



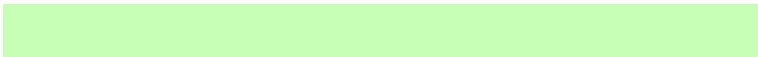
58.4527, 0.3030, 0.2536

Split Complementary

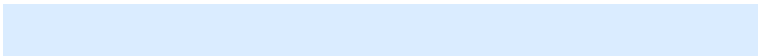
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.8620, 0.3501, 0.2862



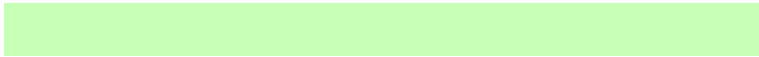
86.8620, 0.3191, 0.4113



86.8620, 0.2572, 0.2509

Square

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



86.8620, 0.3191, 0.4113



86.8620, 0.2240, 0.2858



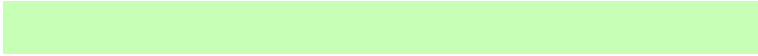
86.8620, 0.3001, 0.2611



86.8620, 0.4103, 0.3602

Rectangle

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



86.8620, 0.3191, 0.4113



86.8620, 0.2480, 0.3460



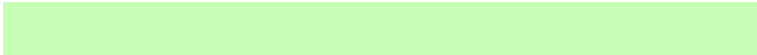
86.8620, 0.3001, 0.2611



86.8620, 0.3798, 0.3088

Sweetspot

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



86.8628, 0.3191, 0.4113



95.4086, 0.3149, 0.3520



85.5926, 0.3612, 0.3861



20.2720, 0.3153, 0.3559



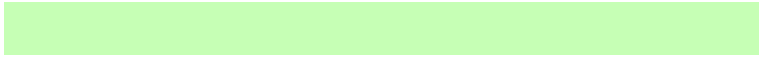
0.0000, 0.0000, 0.0000



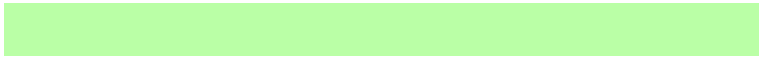
21.4041, 0.3127, 0.3290

Same Dimension

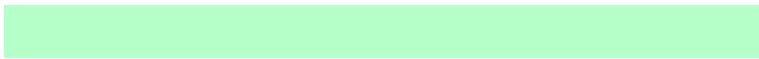
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8628, 0.3191, 0.4113



84.7335, 0.3200, 0.4309



85.5505, 0.2982, 0.3905



20.3693, 0.3150, 0.3533



37.9043, 0.3086, 0.5932



3.7372, 0.3160, 0.5873

Inverse Universe

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



58.4527, 0.3030, 0.2536



51.9800, 0.3003, 0.2375



60.3273, 0.3313, 0.2745



18.0778, 0.3101, 0.3053



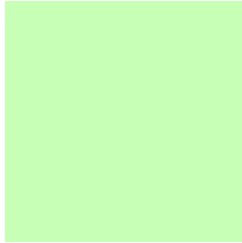
10.0068, 0.2633, 0.1224



1.0231, 0.2701, 0.1262

Previews

White Background



This preview shows how the Yxy color 86.8620, 0.3191, 0.4113 looks on a white background.

Color Contrast Check

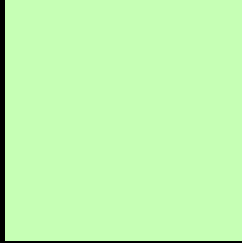
Large Text (above 18pt) WCAG AA × Fail

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 86.8620, 0.3191, 0.4113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

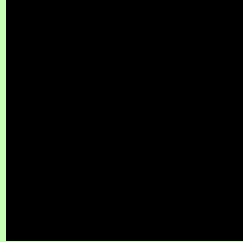
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

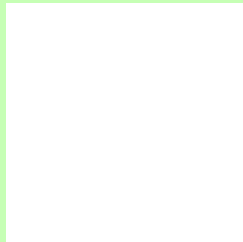
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8620, 0.3191, 0.4113

Background



This preview shows how black text looks on a background with the Yxy color 86.8620, 0.3191, 0.4113.

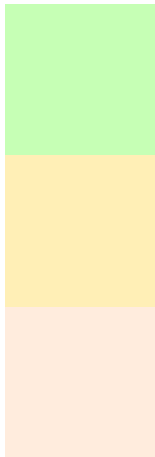


This preview shows how white text looks on a background with the Yxy color 86.8620, 0.3191, 0.4113.

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

86.8620, 0.3191, 0.4113

Protanopia

86.3704, 0.3602, 0.3863

Deuteranopia

86.4714, 0.3353, 0.3439



Tritanopia

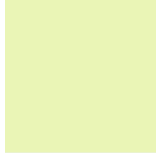
86.2539, 0.2925, 0.3157

Trichromacy



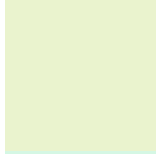
Original Color

86.8620, 0.3191, 0.4113



Protanomaly

86.1746, 0.3439, 0.3950



Deuteranomaly

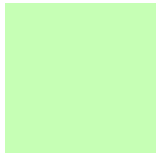
86.0498, 0.3294, 0.3676



Tritanomaly

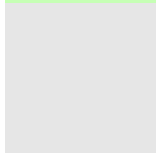
86.2691, 0.3023, 0.3491

Monochromacy



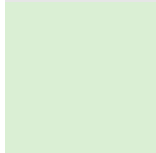
Original Color

86.8620, 0.3191, 0.4113



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.3919, 0.3153, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8620, 0.3191, 0.4113 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, 181)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 181)  
}
```

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, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 181) }
```

Border

The CSS property to change the border of an element to Yxy 86.8620, 0.3191, 0.4113 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, 181) }
```

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

```
.border{ border-color:rgb(198, 255, 181) }
```

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, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 181);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8620, 0.3191, 0.4113 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, 181) }
```

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

```
.background{ background-color: rgb(198,  
255, 181) }
```

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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