

Converting Colors

Yxy(86.5819, 0.3065, 0.3949)

Have a look what the booklet for
Yxy(86.5819, 0.3065, 0.3949)
contains.

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Color

Yxy(86.5819, 0.3066, 0.3950)

Conversions

Conversions Part 1

Format	Color
Hex	BFFFC4
RGB	191, 255, 196
RGB Percent	75%, 100%, 77%
CMY	0.2511, 0.0000, 0.2313
CMYK	0.25, 0.00, 0.23, 0.00
HSL	125°, 100%, 87%
HSV	125°, 25%, 100%
XYZ	67.2051, 86.5819, 65.4077
YIQ	229.1380, -19.2050, -31.9170

Conversions

Conversions Part 2

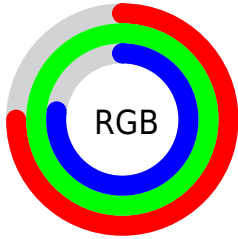
Format	Color
RYB	191, 250, 255
Decimal	12582852
CIELab	94.56, -31.11, 21.87
CIELCh	95, 38.029, 144.897
Yxy	86.5819, 0.3066, 0.3950
Android (android.graphics.Color)	4290772932 (0xFFBFFFC4)
YUV	229.1380, -16.3370, -33.4470
Hunter-Lab	93.0494, -33.9145, 23.4576

Details

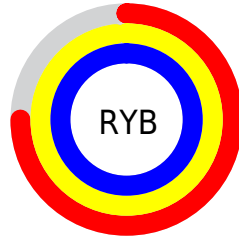
The Yxy color **86.5819, 0.3066, 0.3950** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.4053, 0.3193, 0.2709**, and the grayscale version is **78.5880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5683, 0.3095, 0.3309**, and **47.5754, 0.3044, 0.4111** is the 20% darker color. If you saturate the color by 10%, you get **82.5687, 0.3041, 0.4265**, and if you desaturate by 10%, it is **91.3314, 0.3091, 0.3663**.

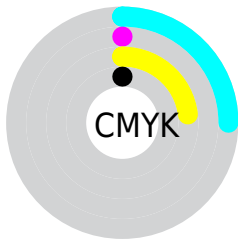
Distribution



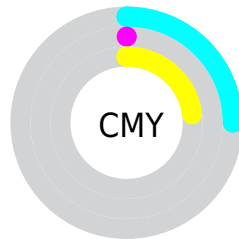
- Red (75%)
- Green (100%)
- Blue (77%)



- Red (75%)
- Yellow (98%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.5819, 0.3066, 0.3950 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 86.5819, 0.3066, 0.3950 by changing the saturation by 10% instead.


 86.5819, 0.3066,
0.3950

 86.5819, 0.3066,
0.3950


516.8480, 0.3100,
0.3641

 65.1493, 0.3057,
0.4021

 142.5812, 0.3079,
0.3842

 47.5821, 0.3045,
0.4110

177.9167, 0.3084,
0.3800

 33.4961, 0.3028,
0.4222


218.6553, 0.3088,
0.3764

 22.5067, 0.3005,
0.4370

265.1813, 0.3091,
0.3733

 14.2297, 0.2969,
0.4571

317.8792, 0.3094,
0.3706

 8.2806, 0.2911,
0.4863


377.1334, 0.3096,


 4.2750, 0.2806,


0.3682


0.5315

443.3282, 0.3098,
0.3660


 1.8286, 0.2733,
0.6467


 0.5049, 0.0000,
1.0000


 86.5819, 0.3066,
0.3950

 86.5819, 0.3066,
0.3950


 82.5687, 0.3041,
0.4265


 91.3314, 0.3091,
0.3663

 79.2641, 0.3018,
0.4601

 96.8620, 0.3115,
0.3408

 76.6240, 0.2999,
0.4942

 100.0000, 0.3127,
0.3290

 74.6031, 0.2985,
0.5267

■ 73.1508, 0.2978,
0.5552

■ 72.2083, 0.2979,
0.5774

■ 71.7038, 0.2986,
0.5919

■ 71.5710, 0.2989,
0.5962

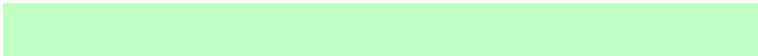
Harmonies

Analogous

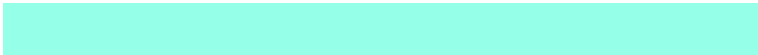
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5819, 0.3493, 0.4071



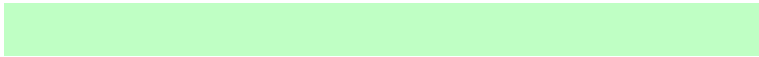
86.5819, 0.3066, 0.3950



86.5819, 0.2673, 0.3606

Triad

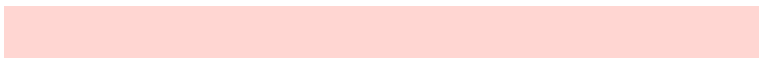
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.5819, 0.3066, 0.3950



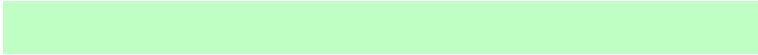
86.5819, 0.2445, 0.2628



86.5819, 0.3895, 0.3323

Complementary

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



86.5819, 0.3066, 0.3950



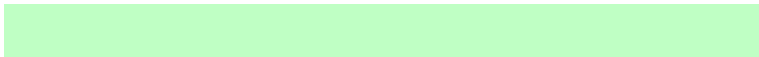
65.4053, 0.3193, 0.2709

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.



86.5819, 0.3576, 0.2991



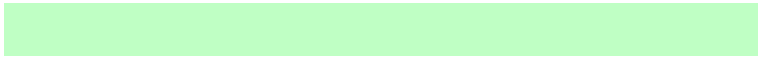
86.5819, 0.3066, 0.3950



86.5819, 0.2731, 0.2602

Square

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



86.5819, 0.3066, 0.3950



86.5819, 0.2333, 0.2825



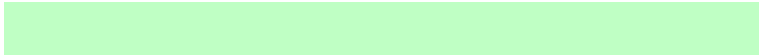
86.5819, 0.3142, 0.2734



86.5819, 0.3990, 0.3669

Rectangle

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



86.5819, 0.3066, 0.3950



86.5819, 0.2480, 0.3320



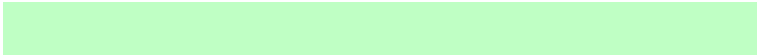
86.5819, 0.3142, 0.2734



86.5819, 0.3810, 0.3208

Sweetspot

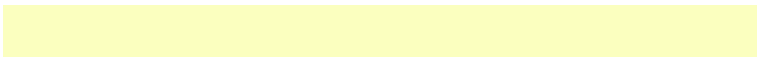
The Sweet Spot groups the original color and five complimentary colors.



86.5786, 0.3066, 0.3950



95.1826, 0.3108, 0.3478



95.7394, 0.3479, 0.3926



20.1914, 0.3105, 0.3516



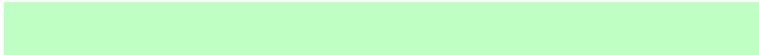
0.0000, 0.0000, 0.0000



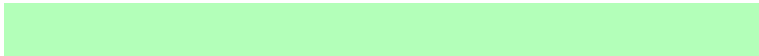
21.4041, 0.3127, 0.3290

Same Dimension

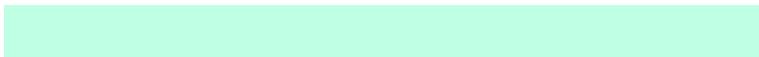
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.5786, 0.3066, 0.3950



84.5278, 0.3054, 0.4101



88.1519, 0.2899, 0.3592



20.1914, 0.3105, 0.3516



37.4055, 0.2986, 0.5950



3.6497, 0.2956, 0.5841

Inverse Universe

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



65.4053, 0.3193, 0.2709



60.1370, 0.3208, 0.2595



63.6062, 0.3433, 0.3008



18.2742, 0.3150, 0.3074



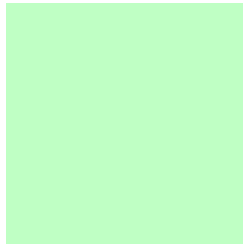
14.2490, 0.3419, 0.1657



1.3944, 0.3392, 0.1642

Previews

White Background



This preview shows how the Yxy color 86.5819, 0.3066, 0.3950 looks on a white background.

Color Contrast Check

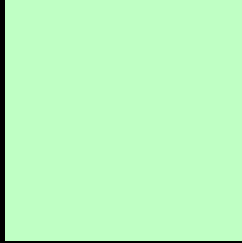
Large Text (above 18pt) WCAG AA × Fail

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 86.5819, 0.3066, 0.3950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

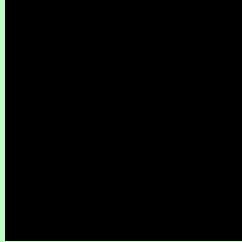
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.5819, 0.3066, 0.3950

Background



This preview shows how black text looks on a background with the Yxy color 86.5819, 0.3066, 0.3950.

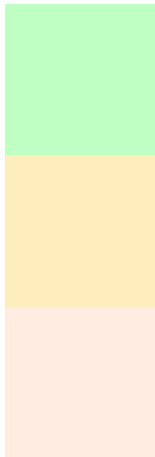


This preview shows how white text looks on a background with the Yxy color 86.5819, 0.3066, 0.3950.

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

86.5819, 0.3066, 0.3950

Protanopia

85.8507, 0.3559, 0.3794

Deuteranopia

86.0044, 0.3341, 0.3410



Tritanopia

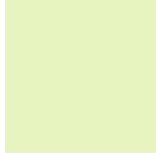
86.2266, 0.2901, 0.3166

Trichromacy



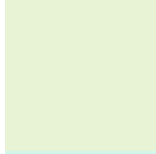
Original Color

86.5819, 0.3066, 0.3950



Protanomaly

85.4519, 0.3365, 0.3849



Deuteranomaly

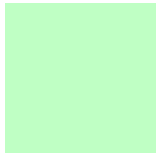
85.4642, 0.3238, 0.3593



Tritanomaly

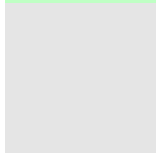
85.8719, 0.2959, 0.3428

Monochromacy



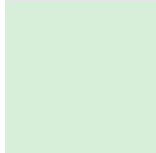
Original Color

86.5819, 0.3066, 0.3950



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.6059, 0.3103, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5819, 0.3066, 0.3950 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(191, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 196)  
}
```

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(191, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 196) }
```

Border

The CSS property to change the border of an element to Yxy 86.5819, 0.3066, 0.3950 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(191, 255, 196) }
```

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

```
.border{ border-color:rgb(191, 255, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 255, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5819, 0.3066, 0.3950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 196) }
```

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

```
.background{ background-color: rgb(191,  
255, 196) }
```

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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