

Converting Colors

$Y_{xy}(102.3744, 0.3169, 0.4346)$

Have a look what the booklet for
Yxy(102.3744, 0.3169, 0.4346)
contains.

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Color

Yxy(86.5104, 0.3189, 0.4139)

Conversions

Conversions Part 1

Format	Color
Hex	C4FFB3
RGB	196, 255, 179
RGB Percent	77%, 100%, 70%
CMY	0.2316, 0.0000, 0.2979
CMYK	0.23, 0.00, 0.30, 0.00
HSL	107°, 100%, 85%
HSV	107°, 30%, 100%
XYZ	66.6542, 86.5104, 55.8482
YIQ	228.6950, -10.7680, -36.1440

Conversions

Conversions Part 2

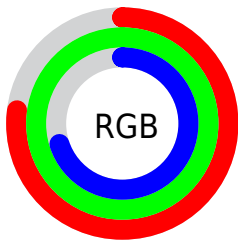
Format	Color
RYB	179, 255, 238
Decimal	12910515
CIELab	94.53, -32.20, 30.47
CIELCh	95, 44.335, 136.579
Yxy	86.5104, 0.3189, 0.4139
Android (android.graphics.Color)	4291100595 (0xFFC4FFB3)
YUV	228.6950, -24.4996, -28.6735
Hunter-Lab	93.0110, -34.8512, 29.5071

Details

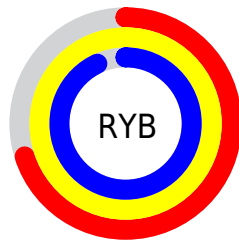
The Yxy color **86.5104, 0.3189, 0.4139** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **57.6639, 0.3031, 0.2516**, and the grayscale version is **78.2985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5890, 0.3238, 0.3484**, and **47.5572, 0.3189, 0.4340** is the 20% darker color. If you saturate the color by 10%, you get **83.0827, 0.3201, 0.4471**, and if you desaturate by 10%, it is **90.4693, 0.3171, 0.3827**.

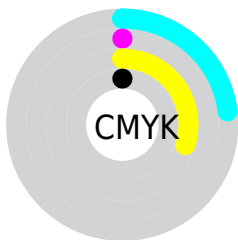
Distribution



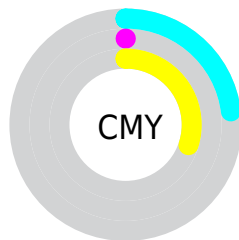
- Red (77%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (93%)



- Cyan (23%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.5104, 0.3189, 0.4139 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 86.5104, 0.3189, 0.4139 by changing the saturation by 10% instead.

 86.5104, 0.3189,
0.4139

 86.5104, 0.3189,
0.4139


516.6127, 0.3172,
0.3740

 65.0901, 0.3190,
0.4231


 142.4815, 0.3186,
0.4000

 47.5342, 0.3189,
0.4345


177.8012, 0.3184,
0.3946

 33.4581, 0.3186,
0.4489

218.5227, 0.3181,
0.3900

 22.4776, 0.3178,
0.4678

265.0305, 0.3179,
0.3859

 14.2083, 0.3159,
0.4934

317.7090, 0.3177,
0.3824

 8.2657, 0.3116,
0.5298

376.9426, 0.3176,

 4.2654, 0.3017,

0.3793

0.5850

443.1157, 0.3174,
0.3765

■ 1.8231, 0.2895,
0.7105

■ 0.5015, 0.0000,
1.0000

■ 86.5104, 0.3189,
0.4139

■ 86.5104, 0.3189,
0.4139

■ 83.0827, 0.3201,
0.4471

■ 90.4693, 0.3171,
0.3827

■ 80.1781, 0.3205,
0.4810

■ 94.9980, 0.3150,
0.3541

■ 77.7651, 0.3199,
0.5138

100.0000, 0.3127,
0.3290

■ 75.8151, 0.3182,
0.5434

■ 74.2967, 0.3153,
0.5674

■ 73.1736, 0.3115,
0.5843

■ 72.3970, 0.3074,
0.5940

■ 72.3837, 0.3073,
0.5942

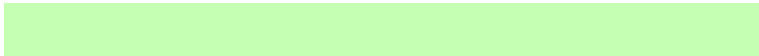
Harmonies

Analogous

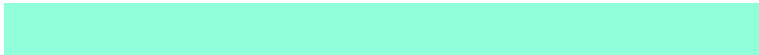
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5104, 0.3672, 0.4188



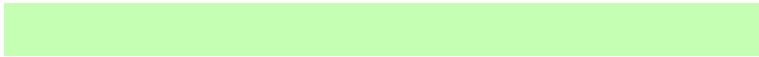
86.5104, 0.3189, 0.4139



86.5104, 0.2712, 0.3792

Triad

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



86.5104, 0.3189, 0.4139



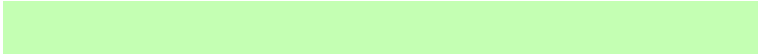
86.5104, 0.2284, 0.2565



86.5104, 0.3944, 0.3211

Complementary

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



86.5104, 0.3189, 0.4139



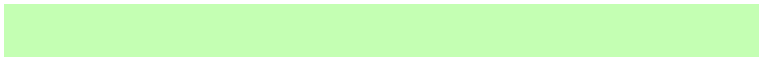
57.6639, 0.3031, 0.2516

Split Complementary

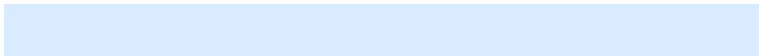
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.5104, 0.3514, 0.2851



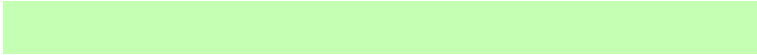
86.5104, 0.3189, 0.4139



86.5104, 0.2558, 0.2488

Square

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



86.5104, 0.3189, 0.4139



86.5104, 0.2215, 0.2842



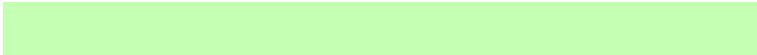
86.5104, 0.3000, 0.2594



86.5104, 0.4133, 0.3611

Rectangle

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



86.5104, 0.3189, 0.4139



86.5104, 0.2460, 0.3462



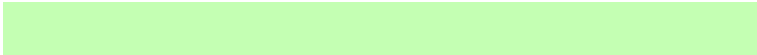
86.5104, 0.3000, 0.2594



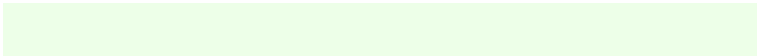
86.5104, 0.3821, 0.3083

Sweetspot

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



86.5050, 0.3189, 0.4139



95.3813, 0.3148, 0.3520



85.2431, 0.3626, 0.3876



20.2654, 0.3151, 0.3559



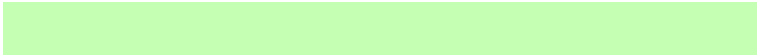
0.0000, 0.0000, 0.0000



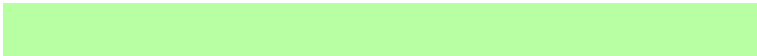
21.4041, 0.3127, 0.3290

Same Dimension

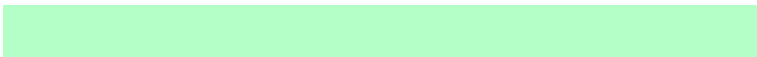
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.5050, 0.3189, 0.4139



84.3181, 0.3197, 0.4343



85.2444, 0.2979, 0.3925



20.3632, 0.3149, 0.3533



37.8756, 0.3082, 0.5935



3.7336, 0.3154, 0.5878

Inverse Universe

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



57.6639, 0.3031, 0.2516



51.0720, 0.3004, 0.2349



59.4960, 0.3319, 0.2730



18.0844, 0.3102, 0.3053



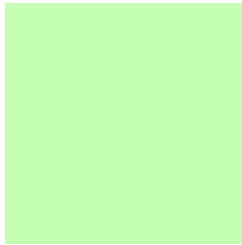
10.1299, 0.2650, 0.1233



1.0341, 0.2716, 0.1270

Previews

White Background



This preview shows how the Yxy color 86.5104, 0.3189, 0.4139 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 86.5104, 0.3189, 0.4139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

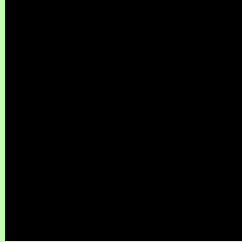
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.5104, 0.3189, 0.4139

Background



This preview shows how black text looks on a background with the Yxy color 86.5104, 0.3189, 0.4139.

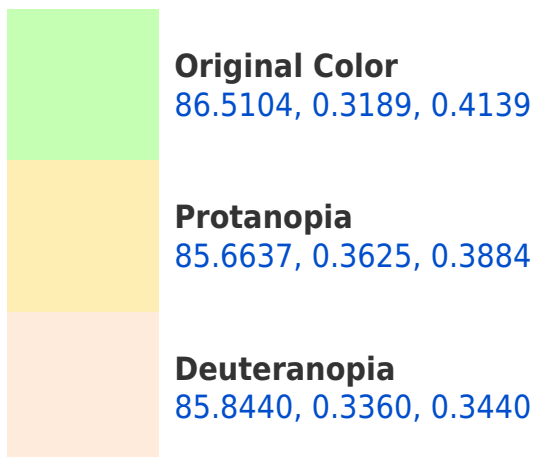


This preview shows how white text looks on a background with the Yxy color 86.5104, 0.3189, 0.4139.

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





Tritanopia

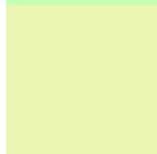
86.0964, 0.2919, 0.3157

Trichromacy



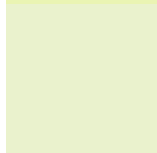
Original Color

86.5104, 0.3189, 0.4139



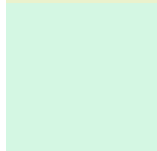
Protanomaly

85.4485, 0.3460, 0.3973



Deuteranomaly

85.4045, 0.3302, 0.3676



Tritanomaly

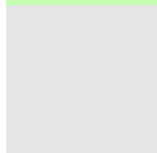
86.0646, 0.3023, 0.3503

Monochromacy



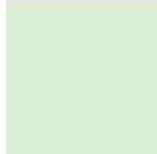
Original Color

86.5104, 0.3189, 0.4139



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.6039, 0.3153, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5104, 0.3189, 0.4139 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(196, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(196, 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(196, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 179) }
```

Border

The CSS property to change the border of an element to Yxy 86.5104, 0.3189, 0.4139 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(196, 255, 179) }
```

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

```
.border{ border-color:rgb(196, 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(196, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5104, 0.3189, 0.4139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 179) }
```

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

```
.background{ background-color: rgb(196,  
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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