

Converting Colors

$Y_{xy}(105.3523, 0.3182, 0.4428)$

Have a look what the booklet for
Yxy(105.3523, 0.3182, 0.4428)
contains.

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Color

Yxy(86.3509, 0.3211, 0.4185)

Conversions

Conversions Part 1

Format	Color
Hex	C4FFAF
RGB	196, 255, 175
RGB Percent	77%, 100%, 69%
CMY	0.2315, 0.0000, 0.3137
CMYK	0.23, 0.00, 0.31, 0.00
HSL	104°, 100%, 84%
HSV	104°, 31%, 100%
XYZ	66.2539, 86.3509, 53.7294
YIQ	228.2390, -9.4840, -37.3880

Conversions

Conversions Part 2

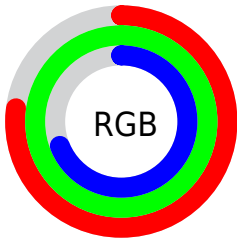
Format	Color
RYB	175, 255, 234
Decimal	12910511
CIELab	94.46, -32.80, 32.41
CIElCh	94, 46.109, 135.345
Yxy	86.3509, 0.3211, 0.4185
Android (android.graphics.Color)	4291100591 (0xFFC4FFAF)
YUV	228.2390, -26.2468, -28.2736
Hunter-Lab	92.9252, -35.3519, 30.7661

Details

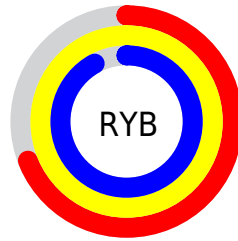
The Yxy color **86.3509, 0.3211, 0.4185** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **55.3772, 0.2999, 0.2467**, and the grayscale version is **77.9573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3604, 0.3261, 0.3523**, and **47.4560, 0.3215, 0.4399** is the 20% darker color. If you saturate the color by 10%, you get **83.0692, 0.3228, 0.4515**, and if you desaturate by 10%, it is **90.1266, 0.3188, 0.3872**.

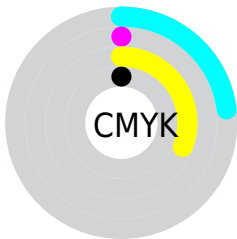
Distribution



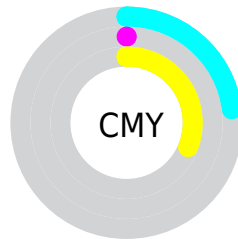
- Red (77%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (92%)



- Cyan (23%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.3509, 0.3211, 0.4185 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 86.3509, 0.3211, 0.4185 by changing the saturation by 10% instead.

 86.3509, 0.3211,
0.4185

 86.3509, 0.3211,
0.4185


516.0876, 0.3186,
0.3764

 64.9582, 0.3213,
0.4282


 142.2591, 0.3205,
0.4038

 47.4272, 0.3215,
0.4402


177.5433, 0.3202,
0.3981

 33.3735, 0.3213,
0.4554


218.2268, 0.3199,
0.3932

 22.4127, 0.3206,
0.4753

264.6940, 0.3196,
0.3890

 14.1605, 0.3188,
0.5022

317.3293, 0.3193,
0.3853

 8.2324, 0.3144,
0.5402


376.5170, 0.3190,


 4.2440, 0.3047,

0.3820

0.5989


442.6417, 0.3188,
0.3790

 1.8110, 0.2848,
0.7152


 0.4940, 0.0000,
1.0000


 86.3509, 0.3211,
0.4185


 86.3509, 0.3211,
0.4185


 83.0692, 0.3228,
0.4515


 90.1266, 0.3188,
0.3872

 80.2767, 0.3235,
0.4848

 94.4347, 0.3161,
0.3584

 77.9435, 0.3230,
0.5168

 99.2892, 0.3131,
0.3324

 76.0430, 0.3212,
0.5452

100.0000, 0.3127,
0.3290

■ 74.5461, 0.3181,
0.5681

■ 73.4190, 0.3139,
0.5839

■ 72.7067, 0.3100,
0.5921

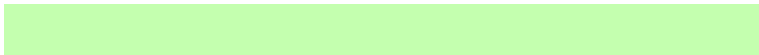
Harmonies

Analogous

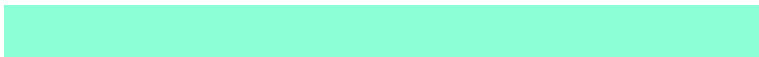
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3509, 0.3710, 0.4220



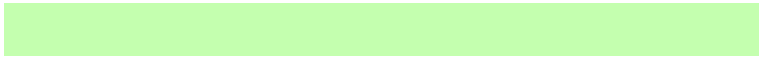
86.3509, 0.3211, 0.4185



86.3509, 0.2713, 0.3834

Triad

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



86.3509, 0.3211, 0.4185



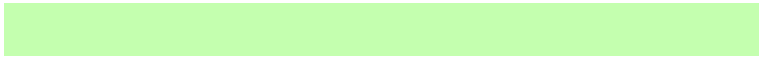
86.3509, 0.2245, 0.2545



86.3509, 0.3963, 0.3190

Complementary

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



86.3509, 0.3211, 0.4185



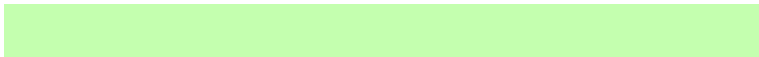
55.3772, 0.2999, 0.2467

Split Complementary

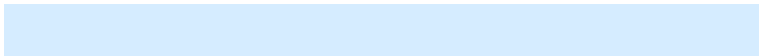
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.3509, 0.3508, 0.2821



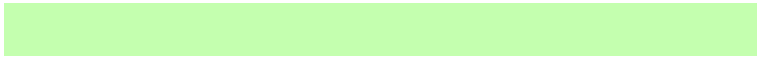
86.3509, 0.3211, 0.4185



86.3509, 0.2520, 0.2458

Square

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



86.3509, 0.3211, 0.4185



86.3509, 0.2184, 0.2838



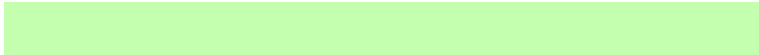
86.3509, 0.2972, 0.2561



86.3509, 0.4172, 0.3603

Rectangle

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



86.3509, 0.3211, 0.4185



86.3509, 0.2447, 0.3490



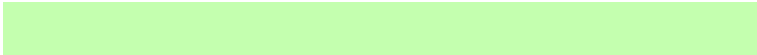
86.3509, 0.2972, 0.2561



86.3509, 0.3832, 0.3058

Sweetspot

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



86.3451, 0.3211, 0.4185



95.5371, 0.3154, 0.3519



83.0104, 0.3663, 0.3883



20.3035, 0.3158, 0.3559



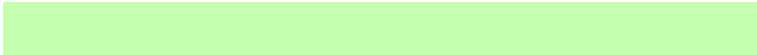
0.0000, 0.0000, 0.0000



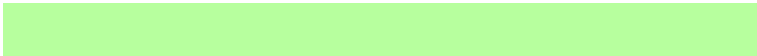
21.4041, 0.3127, 0.3290

Same Dimension

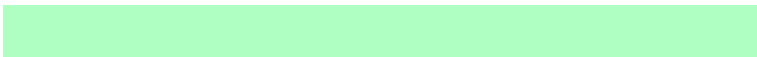
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3451, 0.3211, 0.4185



84.1194, 0.3223, 0.4402



84.5134, 0.2986, 0.3996



20.3982, 0.3155, 0.3533



38.0516, 0.3109, 0.5913



3.7551, 0.3187, 0.5852

Inverse Universe

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



55.3772, 0.2999, 0.2467



48.4666, 0.2963, 0.2287



57.9938, 0.3310, 0.2675



18.0469, 0.3096, 0.3053



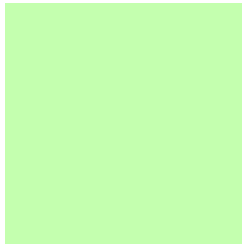
9.4477, 0.2553, 0.1180



0.9728, 0.2630, 0.1223

Previews

White Background



This preview shows how the Yxy color 86.3509, 0.3211, 0.4185 looks on a white background.

Color Contrast Check

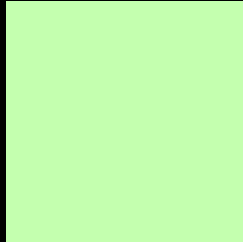
Large Text (above 18pt) WCAG AA × Fail

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 86.3509, 0.3211, 0.4185 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

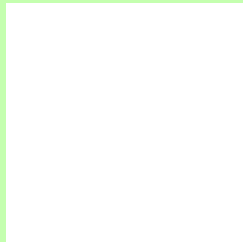
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.3509, 0.3211, 0.4185

Background



This preview shows how black text looks on a background with the Yxy color 86.3509, 0.3211, 0.4185.

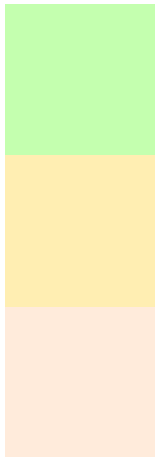


This preview shows how white text looks on a background with the Yxy color 86.3509, 0.3211, 0.4185.

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

86.3509, 0.3211, 0.4185

Protanopia

85.6234, 0.3631, 0.3894

Deuteranopia

85.7911, 0.3367, 0.3450



Tritanopia

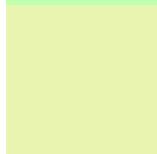
86.0964, 0.2919, 0.3157

Trichromacy



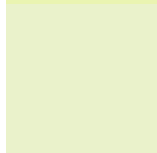
Original Color

86.3509, 0.3211, 0.4185



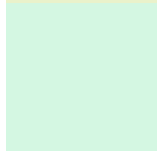
Protanomaly

85.3681, 0.3472, 0.3994



Deuteranomaly

85.3085, 0.3314, 0.3698



Tritanomaly

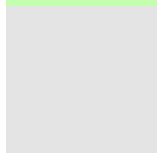
86.0096, 0.3029, 0.3514

Monochromacy



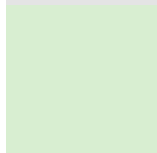
Original Color

86.3509, 0.3211, 0.4185



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.3515, 0.3159, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.3509, 0.3211, 0.4185 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, 175)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 175)  
}
```

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, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 175) }
```

Border

The CSS property to change the border of an element to Yxy 86.3509, 0.3211, 0.4185 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, 175) }
```

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

```
.border{ border-color:rgb(196, 255, 175) }
```

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, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 175);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 86.3509, 0.3211, 0.4185 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, 175) }
```

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

```
.background{ background-color: rgb(196,  
255, 175) }
```

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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