

Converting Colors

$Y_{xy}(116.4921, 0.3195, 0.4580)$

Have a look what the booklet for
Yxy(116.4921, 0.3195, 0.4580)
contains.

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Color

Yxy(86.3306, 0.3239, 0.4228)

Conversions

Conversions Part 1

Format	Color
Hex	C5FFAB
RGB	197, 255, 171
RGB Percent	77%, 100%, 67%
CMY	0.2275, 0.0000, 0.3293
CMYK	0.23, 0.00, 0.33, 0.00
HSL	101°, 100%, 84%
HSV	101°, 33%, 100%
XYZ	66.1364, 86.3306, 51.7208
YIQ	228.0820, -7.6040, -38.4200

Conversions

Conversions Part 2

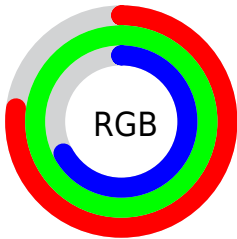
Format	Color
RYB	171, 255, 229
Decimal	12976043
CIELab	94.45, -33.02, 34.39
CIElCh	94, 47.677, 133.842
Yxy	86.3306, 0.3239, 0.4228
Android (android.graphics.Color)	4291166123 (0xFFC5FFAB)
YUV	228.0820, -28.1414, -27.2589
Hunter-Lab	92.9143, -35.5436, 32.0362

Details

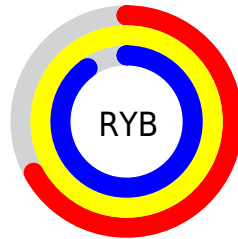
The Yxy color **86.3306, 0.3239, 0.4228** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **53.0235, 0.2960, 0.2417**, and the grayscale version is **77.8594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **47.4470, 0.3249, 0.4453** is the 20% darker color. If you saturate the color by 10%, you get **83.2087, 0.3261, 0.4554**, and if you desaturate by 10%, it is **89.9172, 0.3209, 0.3916**.

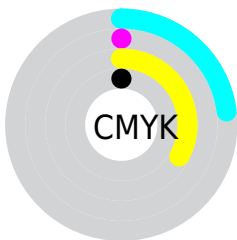
Distribution



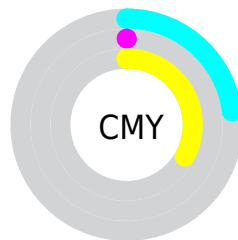
- Red (77%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (90%)



- Cyan (23%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.3306, 0.3239, 0.4228 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 86.3306, 0.3239, 0.4228 by changing the saturation by 10% instead.


 86.3306, 0.3239,
0.4228

 86.3306, 0.3239,
0.4228


516.0207, 0.3202,
0.3787

 64.9414, 0.3244,
0.4330


 142.2307, 0.3229,
0.4074

 47.4136, 0.3247,
0.4455


177.5105, 0.3225,
0.4014

 33.3627, 0.3248,
0.4614


218.1891, 0.3220,
0.3963

 22.4044, 0.3244,
0.4821

264.6512, 0.3216,
0.3919

 14.1544, 0.3228,
0.5101

317.2809, 0.3212,
0.3880

 8.2281, 0.3185,
0.5493


376.4629, 0.3209,


 4.2413, 0.3097,

0.3845

0.6118

442.5813, 0.3205,
0.3814


 1.8094, 0.2831,
0.7169


 0.4930, 0.0000,
1.0000


 86.3306, 0.3239,
0.4228


 86.3306, 0.3239,
0.4228

 83.2087, 0.3261,
0.4554


 89.9172, 0.3209,
0.3916

 80.5323, 0.3273,
0.4880

 93.9888, 0.3175,
0.3626

 78.2792, 0.3270,
0.5190

 98.5629, 0.3138,
0.3362

 76.4251, 0.3253,
0.5462

100.0000, 0.3127,
0.3290

■ 74.9432, 0.3220,
0.5677

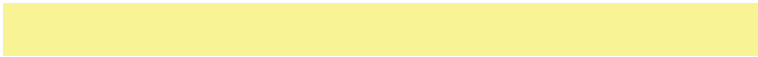
■ 73.8023, 0.3173,
0.5824

■ 73.1747, 0.3137,
0.5891

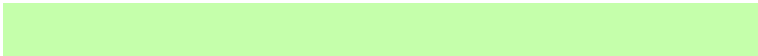
Harmonies

Analogous

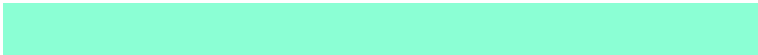
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3306, 0.3751, 0.4245



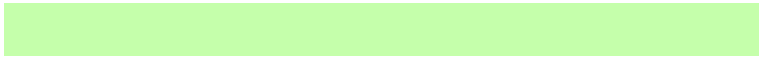
86.3306, 0.3239, 0.4228



86.3306, 0.2722, 0.3878

Triad

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



86.3306, 0.3239, 0.4228



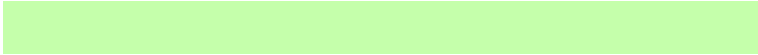
86.3306, 0.2210, 0.2531



86.3306, 0.3973, 0.3164

Complementary

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



86.3306, 0.3239, 0.4228



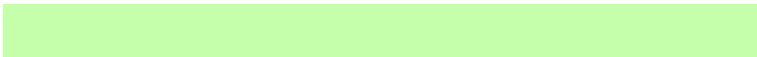
53.0235, 0.2960, 0.2417

Split Complementary

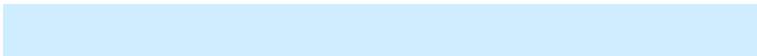
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.3306, 0.3493, 0.2790



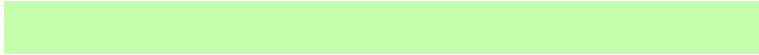
86.3306, 0.3239, 0.4228



86.3306, 0.2482, 0.2432

Square

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



86.3306, 0.3239, 0.4228



86.3306, 0.2157, 0.2842



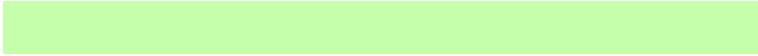
86.3306, 0.2940, 0.2529



86.3306, 0.4205, 0.3589

Rectangle

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



86.3306, 0.3239, 0.4228



86.3306, 0.2442, 0.3524



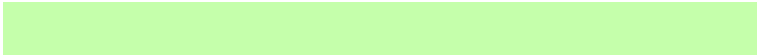
86.3306, 0.2940, 0.2529



86.3306, 0.3833, 0.3031

Sweetspot

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



86.3302, 0.3239, 0.4228



95.2755, 0.3164, 0.3546



79.9143, 0.3706, 0.3874



20.2596, 0.3169, 0.3584



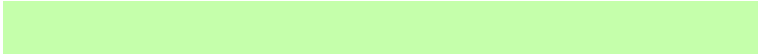
0.0000, 0.0000, 0.0000



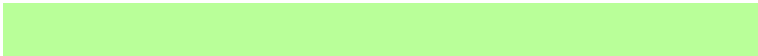
21.4041, 0.3127, 0.3290

Same Dimension

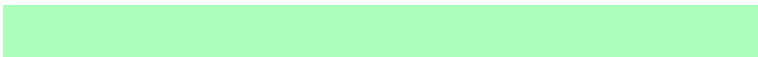
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3302, 0.3239, 0.4228



84.0758, 0.3256, 0.4458



83.7449, 0.3001, 0.4088



20.4404, 0.3162, 0.3532



38.3041, 0.3148, 0.5883



3.7843, 0.3231, 0.5817

Inverse Universe

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



53.0235, 0.2960, 0.2417



45.7653, 0.2913, 0.2221



56.6660, 0.3287, 0.2606



18.0022, 0.3088, 0.3052



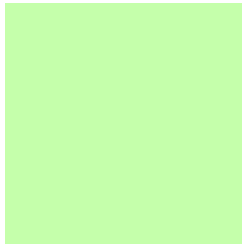
8.6888, 0.2439, 0.1117



0.9038, 0.2529, 0.1167

Previews

White Background



This preview shows how the Yxy color 86.3306, 0.3239, 0.4228 looks on a white background.

Color Contrast Check

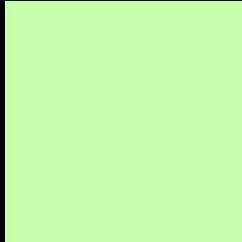
Large Text (above 18pt) WCAG AA × Fail

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 86.3306, 0.3239, 0.4228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

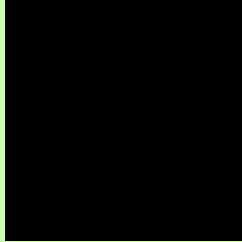
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

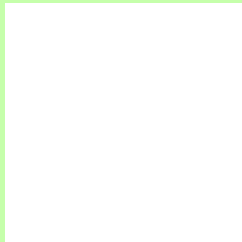
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.3306, 0.3239, 0.4228

Background



This preview shows how black text looks on a background with the Yxy color 86.3306, 0.3239, 0.4228.

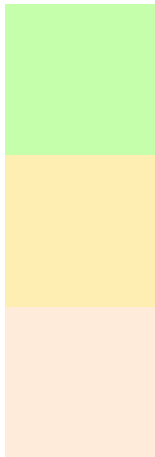


This preview shows how white text looks on a background with the Yxy color 86.3306, 0.3239, 0.4228.

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

86.3306, 0.3239, 0.4228

Protanopia

85.5834, 0.3638, 0.3904

Deuteranopia

85.7386, 0.3374, 0.3460



Tritanopia

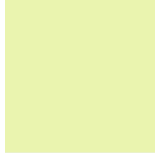
86.0964, 0.2919, 0.3157

Trichromacy



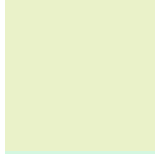
Original Color

86.3306, 0.3239, 0.4228



Protanomaly

85.2889, 0.3484, 0.4015



Deuteranomaly

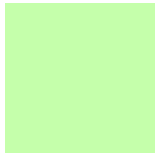
85.2137, 0.3327, 0.3719



Tritanomaly

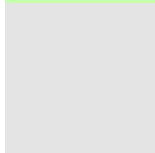
85.9004, 0.3040, 0.3535

Monochromacy



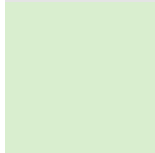
Original Color

86.3306, 0.3239, 0.4228



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.4058, 0.3178, 0.3627

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.3306, 0.3239, 0.4228 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(197, 255, 171)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 171)  
}
```

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(197, 255, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 171) }
```

Border

The CSS property to change the border of an element to Yxy 86.3306, 0.3239, 0.4228 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(197, 255, 171) }
```

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

```
.border{ border-color:rgb(197, 255, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 255, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 171);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 86.3306, 0.3239, 0.4228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 171) }
```

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

```
.background{ background-color: rgb(197,  
255, 171) }
```

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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