

Converting Colors

$Yxy(86.3887, 0.3328, 0.4356)$

Have a look what the booklet for
Yxy(86.3887, 0.3328, 0.4356)
contains.

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Color

Yxy(86.4407, 0.3329, 0.4354)

Conversions

Conversions Part 1

Format	Color
Hex	C9FF9F
RGB	201, 255, 159
RGB Percent	79%, 100%, 62%
CMY	0.2120, 0.0000, 0.3765
CMYK	0.21, 0.00, 0.38, 0.00
HSL	94°, 100%, 81%
HSV	94°, 38%, 100%
XYZ	66.0912, 86.4407, 45.9998
YIQ	227.9100, -1.3680, -41.3040

Conversions

Conversions Part 2

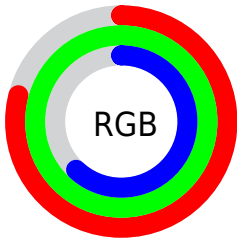
Format	Color
RYB	159, 255, 213
Decimal	13238175
CIELab	94.50, -33.33, 40.45
CIELCh	95, 52.409, 129.488
Yxy	86.4407, 0.3329, 0.4354
Android (android.graphics.Color)	4291428255 (0xFFC9FF9F)
YUV	227.9100, -33.9726, -23.6001
Hunter-Lab	92.9735, -35.8150, 35.7470

Details

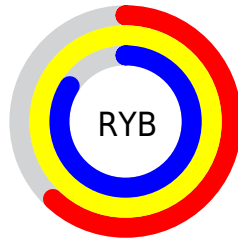
The Yxy color **86.4407, 0.3329, 0.4354** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **46.1714, 0.2831, 0.2257**, and the grayscale version is **77.7509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6863, 0.3364, 0.3681**, and **47.4485, 0.3350, 0.4611** is the 20% darker color. If you saturate the color by 10%, you get **83.7378, 0.3366, 0.4665**, and if you desaturate by 10%, it is **89.4930, 0.3282, 0.4047**.

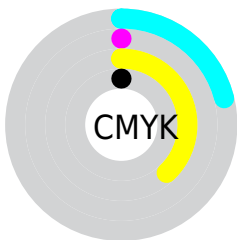
Distribution



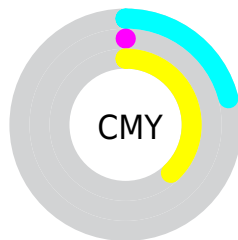
- Red (79%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (84%)



- Cyan (21%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.4407, 0.3329, 0.4354 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 86.4407, 0.3329, 0.4354 by changing the saturation by 10% instead.


 86.4407, 0.3329,
0.4354


 86.4407, 0.3329,
0.4354


516.3832, 0.3256,
0.3855

 65.0325, 0.3340,
0.4468


 142.3843, 0.3308,
0.4180

 47.4874, 0.3351,
0.4609


 177.6885, 0.3299,
0.4113

 33.4211, 0.3360,
0.4786


218.3934, 0.3290,
0.4055

 22.4493, 0.3364,
0.5014

264.8835, 0.3282,
0.4004

 14.1874, 0.3354,
0.5318

317.5431, 0.3275,
0.3960

 8.2511, 0.3309,
0.5732

376.7567, 0.3268,

 4.2560, 0.3284,

0.3921

0.6524

442.9086, 0.3262,
0.3886

■ 1.8178, 0.2815,
0.7185

■ 0.4982, 0.0000,
1.0000

■ 86.4407, 0.3329,
0.4354

■ 86.4407, 0.3329,
0.4354

■ 83.7378, 0.3366,
0.4665

■ 89.4930, 0.3282,
0.4047

■ 81.3969, 0.3388,
0.4966

■ 92.9389, 0.3228,
0.3754

■ 79.3903, 0.3392,
0.5242

■ 96.7829, 0.3171,
0.3482

■ 77.6984, 0.3375,
0.5474

100.0000, 0.3127,
0.3290

■ 76.2983, 0.3338,
0.5649

■ 75.1618, 0.3284,
0.5763

■ 74.9244, 0.3271,
0.5785

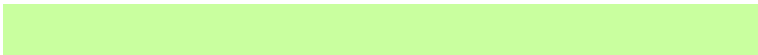
Harmonies

Analogous

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



86.4407, 0.3876, 0.4309



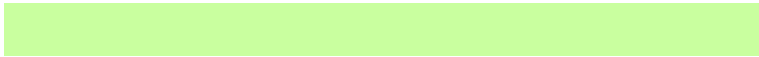
86.4407, 0.3329, 0.4354



86.4407, 0.2755, 0.4017

Triad

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



86.4407, 0.3329, 0.4354



86.4407, 0.2106, 0.2493



86.4407, 0.3994, 0.3084

Complementary

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



86.4407, 0.3329, 0.4354



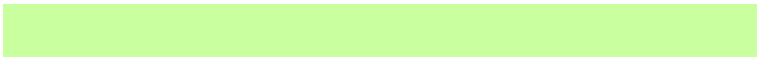
46.1714, 0.2831, 0.2257

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.



86.4407, 0.3438, 0.2695



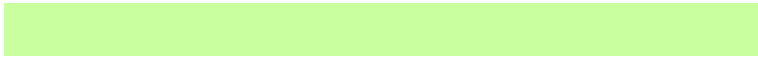
86.4407, 0.3329, 0.4354



86.4407, 0.2366, 0.2358

Square

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



86.4407, 0.3329, 0.4354



86.4407, 0.2084, 0.2862



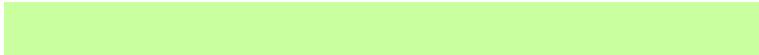
86.4407, 0.2837, 0.2437



86.4407, 0.4296, 0.3539

Rectangle

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



86.4407, 0.3329, 0.4354



86.4407, 0.2436, 0.3635



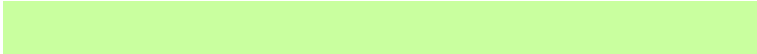
86.4407, 0.2837, 0.2437



86.4407, 0.3827, 0.2944

Sweetspot

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



86.4311, 0.3329, 0.4354



95.4492, 0.3191, 0.3571



70.7496, 0.3849, 0.3836



20.3174, 0.3198, 0.3608



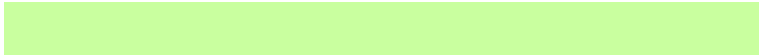
0.0000, 0.0000, 0.0000



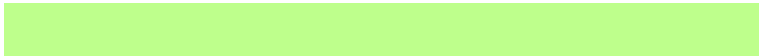
21.4041, 0.3127, 0.3290

Same Dimension

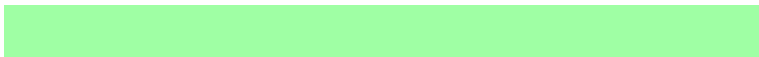
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4311, 0.3329, 0.4354



84.4160, 0.3357, 0.4583



81.5637, 0.3049, 0.4383



20.5562, 0.3182, 0.3531



39.2343, 0.3283, 0.5776



3.8834, 0.3371, 0.5706

Inverse Universe

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



46.1714, 0.2831, 0.2257



39.0110, 0.2755, 0.2043



52.9701, 0.3209, 0.2397



17.8824, 0.3068, 0.3051



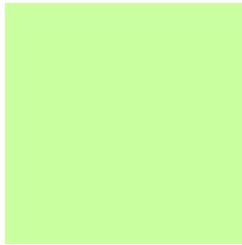
6.9427, 0.2150, 0.0958



0.7407, 0.2265, 0.1021

Previews

White Background



This preview shows how the Yxy color 86.4407, 0.3329, 0.4354 looks on a white background.

Color Contrast Check

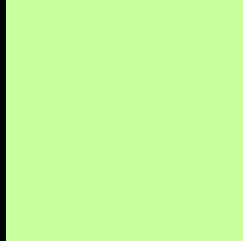
Large Text (above 18pt) WCAG AA × Fail

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 86.4407, 0.3329, 0.4354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

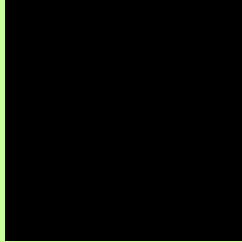
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.4407, 0.3329, 0.4354

Background



This preview shows how black text looks on a background with the Yxy color 86.4407, 0.3329, 0.4354.

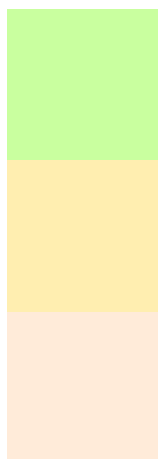


This preview shows how white text looks on a background with the Yxy color 86.4407, 0.3329, 0.4354.

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

86.4407, 0.3329, 0.4354

Protanopia

85.5437, 0.3644, 0.3914

Deuteranopia

85.6864, 0.3380, 0.3470



Tritanopia

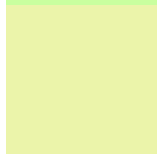
85.8186, 0.2931, 0.3147

Trichromacy



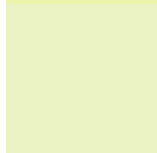
Original Color

86.4407, 0.3329, 0.4354



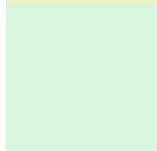
Protanomaly

85.2658, 0.3522, 0.4066



Deuteranomaly

85.1520, 0.3365, 0.3771



Tritanomaly

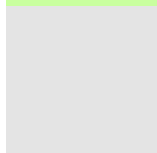
85.5259, 0.3082, 0.3567

Monochromacy



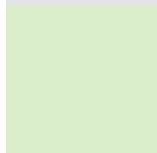
Original Color

86.4407, 0.3329, 0.4354



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.3663, 0.3209, 0.3671

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.4407, 0.3329, 0.4354 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(201, 255, 159)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 159)  
}
```

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(201, 255, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 159) }
```

Border

The CSS property to change the border of an element to Yxy 86.4407, 0.3329, 0.4354 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(201, 255, 159) }
```

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

```
.border{ border-color:rgb(201, 255, 159) }
```

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

Here you see how a box with a 4 pixel rgb(201, 255, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 159);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 86.4407, 0.3329, 0.4354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 159) }
```

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

```
.background{ background-color: rgb(201,  
255, 159) }
```

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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