

Converting Colors

$Yxy(86.9195, 0.3478, 0.4532)$

Have a look what the booklet for
Yxy(86.9195, 0.3478, 0.4532)
contains.

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Color

Yxy(86.9688, 0.3482, 0.4534)

Conversions

Conversions Part 1

Format	Color
Hex	D1FF8C
RGB	209, 255, 140
RGB Percent	82%, 100%, 55%
CMY	0.1803, 0.0000, 0.4512
CMYK	0.18, 0.00, 0.45, 0.00
HSL	84°, 100%, 77%
HSV	84°, 45%, 100%
XYZ	66.7899, 86.9688, 38.0560
YIQ	228.1360, 9.4990, -45.5170

Conversions

Conversions Part 2

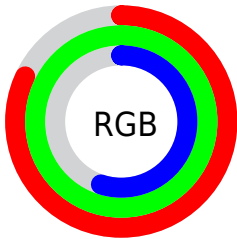
Format	Color
RYB	140, 255, 186
Decimal	13762444
CIELab	94.73, -32.74, 50.02
CIELCh	95, 59.786, 123.204
Yxy	86.9688, 0.3482, 0.4534
Android (android.graphics.Color)	4291952524 (0xFFD1FF8C)
YUV	228.1360, -43.4510, -16.7823
Hunter-Lab	93.2571, -35.3597, 41.0851

Details

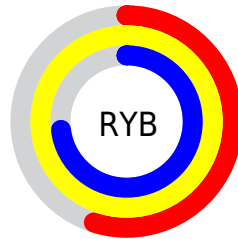
The Yxy color **86.9688, 0.3482, 0.4534** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **36.3905, 0.2602, 0.1987**, and the grayscale version is **78.0072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7201, 0.3484, 0.3880**, and **47.8486, 0.3530, 0.4818** is the 20% darker color. If you saturate the color by 10%, you get **84.8645, 0.3535, 0.4812**, and if you desaturate by 10%, it is **89.3462, 0.3414, 0.4245**.

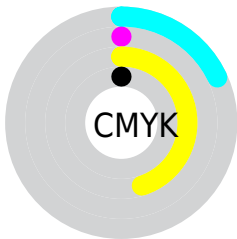
Distribution



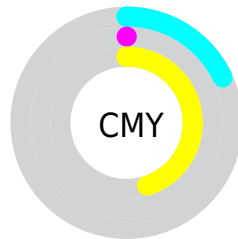
- Red (82%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (73%)



- Cyan (18%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.9688, 0.3482, 0.4534 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 86.9688, 0.3482, 0.4534 by changing the saturation by 10% instead.

 86.9688, 0.3482,
0.4534


 86.9688, 0.3482,
0.4534


518.1203, 0.3349,
0.3955

 65.4694, 0.3504,
0.4664

 143.1207, 0.3443,
0.4334

 47.8418, 0.3526,
0.4822


 178.5419, 0.3425,
0.4256

 33.7016, 0.3546,
0.5018


219.3725, 0.3409,
0.4189

 22.6645, 0.3559,
0.5265

265.9969, 0.3395,
0.4130

 14.3459, 0.3553,
0.5582

318.7995, 0.3382,
0.4079

 8.3617, 0.3506,
0.6000

378.1647, 0.3370,

 4.3272, 0.3385,

0.4033

0.6615

444.4768, 0.3359,
0.3992

■ 1.8582, 0.2876,
0.7124

■ 0.5231, 0.0000,
1.0000

■ 86.9688, 0.3482,
0.4534

■ 86.9688, 0.3482,
0.4534

■ 84.8645, 0.3535,
0.4812

■ 89.3462, 0.3414,
0.4245

■ 83.0137, 0.3568,
0.5066

■ 92.0039, 0.3337,
0.3957

■ 81.4027, 0.3578,
0.5282

■ 94.9554, 0.3254,
0.3679

■ 80.0134, 0.3563,
0.5449

■ 98.2118, 0.3170,
0.3417

■ 78.8242, 0.3524,
0.5562

100.0000, 0.3127,
0.3290

■ 78.3020, 0.3500,
0.5603

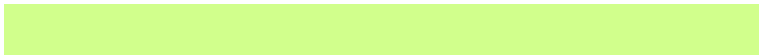
Harmonies

Analogous

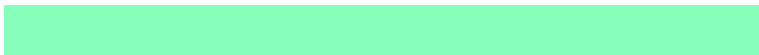
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9688, 0.4074, 0.4378



86.9688, 0.3482, 0.4534



86.9688, 0.2827, 0.4245

Triad

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



86.9688, 0.3482, 0.4534



86.9688, 0.1957, 0.2451



86.9688, 0.3997, 0.2953

Complementary

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



86.9688, 0.3482, 0.4534



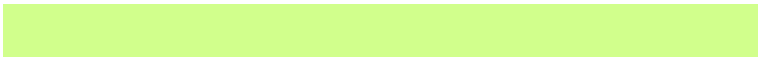
36.3905, 0.2602, 0.1987

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.



86.9688, 0.3329, 0.2548



86.9688, 0.3482, 0.4534



86.9688, 0.2189, 0.2256

Square

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



86.9688, 0.3482, 0.4534



86.9688, 0.1986, 0.2913



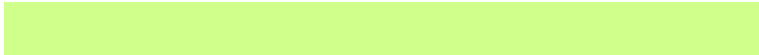
86.9688, 0.2667, 0.2300



86.9688, 0.4418, 0.3447

Rectangle

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



86.9688, 0.3482, 0.4534



86.9688, 0.2444, 0.3831



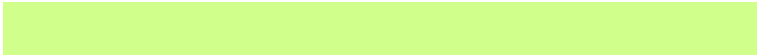
86.9688, 0.2667, 0.2300



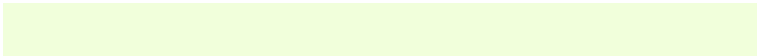
86.9688, 0.3789, 0.2805

Sweetspot

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



86.9707, 0.3482, 0.4534



95.3043, 0.3245, 0.3648



57.4542, 0.4122, 0.3752



20.2557, 0.3263, 0.3707



0.0000, 0.0000, 0.0000



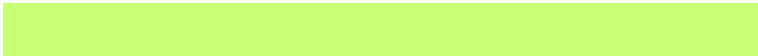
21.4041, 0.3127, 0.3290

Same Dimension

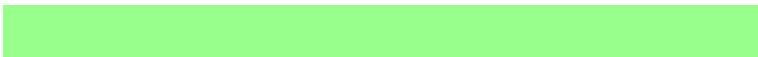
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9707, 0.3482, 0.4534



85.0872, 0.3530, 0.4782



80.2203, 0.3134, 0.4681



20.7075, 0.3207, 0.3529



41.0037, 0.3511, 0.5594



4.0560, 0.3587, 0.5534

Inverse Universe

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



36.3905, 0.2602, 0.1987



28.8202, 0.2467, 0.1712



44.7635, 0.3064, 0.2147



17.7319, 0.3041, 0.3049



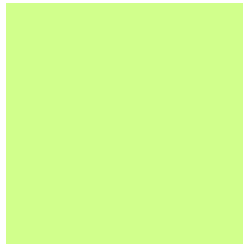
5.3266, 0.1842, 0.0788



0.5801, 0.1967, 0.0857

Previews

White Background



This preview shows how the Yxy color 86.9688, 0.3482, 0.4534 looks on a white background.

Color Contrast Check

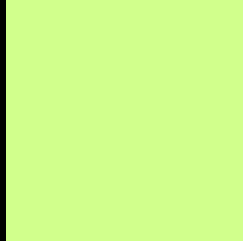
Large Text (above 18pt) WCAG AA × Fail

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 86.9688, 0.3482, 0.4534 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

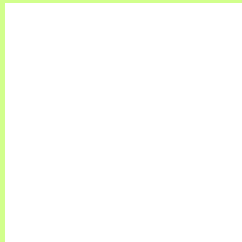
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.9688, 0.3482, 0.4534

Background



This preview shows how black text looks on a background with the Yxy color 86.9688, 0.3482, 0.4534.

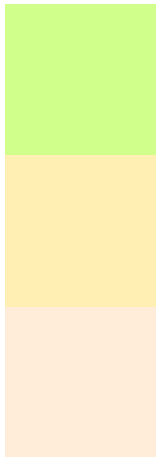


This preview shows how white text looks on a background with the Yxy color 86.9688, 0.3482, 0.4534.

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

86.9688, 0.3482, 0.4534

Protanopia

86.2477, 0.3622, 0.3893

Deuteranopia

86.2607, 0.3379, 0.3480



Tritanopia

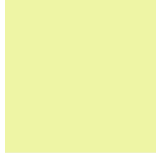
86.7886, 0.2968, 0.3148

Trichromacy



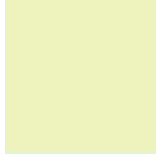
Original Color

86.9688, 0.3482, 0.4534



Protanomaly

86.1986, 0.3571, 0.4120



Deuteranomaly

85.9525, 0.3428, 0.3852



Tritanomaly

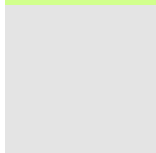
86.2452, 0.3169, 0.3639

Monochromacy



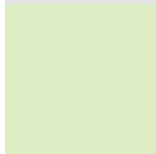
Original Color

86.9688, 0.3482, 0.4534



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.5067, 0.3274, 0.3746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.9688, 0.3482, 0.4534 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(209, 255, 140)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 140)  
}
```

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(209, 255, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 140) }
```

Border

The CSS property to change the border of an element to Yxy 86.9688, 0.3482, 0.4534 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(209, 255, 140) }
```

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

```
.border{ border-color:rgb(209, 255, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 255, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 140);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9688, 0.3482, 0.4534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 140) }
```

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

```
.background{ background-color: rgb(209,  
255, 140) }
```

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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