

Converting Colors

$Y_{xy}(99.1107, 0.3260, 0.4196)$

Have a look what the booklet for
Yxy(99.1107, 0.3260, 0.4196)
contains.

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Color

Yxy(89.2350, 0.3282, 0.4065)

Conversions

Conversions Part 1

Format	Color
Hex	D6FFB7
RGB	214, 255, 183
RGB Percent	84%, 100%, 72%
CMY	0.1607, 0.0000, 0.2823
CMYK	0.16, 0.00, 0.28, 0.00
HSL	94°, 100%, 86%
HSV	94°, 28%, 100%
XYZ	72.0466, 89.2350, 58.2387
YIQ	234.5330, -1.3240, -31.0840

Conversions

Conversions Part 2

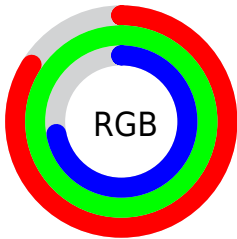
Format	Color
RYB	183, 255, 224
Decimal	14090167
CIELab	95.68, -25.48, 30.20
CIElCh	96, 39.515, 130.155
Yxy	89.2350, 0.3282, 0.4065
Android (android.graphics.Color)	4292280247 (0xFFD6FFB7)
YUV	234.5330, -25.4058, -18.0074
Hunter-Lab	94.4643, -29.1731, 29.5718

Details

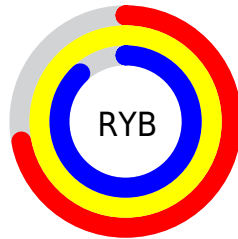
The Yxy color **89.2350, 0.3282, 0.4065** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.9434, 0.2924, 0.2533**, and the grayscale version is **82.9088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0120, 0.3220, 0.3444**, and **49.2422, 0.3305, 0.4254** is the 20% darker color. If you saturate the color by 10%, you get **86.1832, 0.3328, 0.4373**, and if you desaturate by 10%, it is **92.6815, 0.3230, 0.3771**.

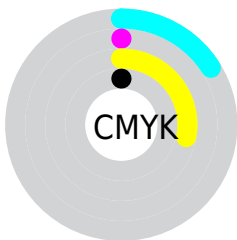
Distribution



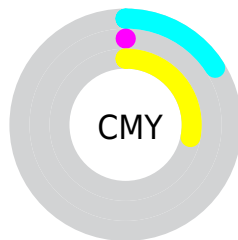
- Red (84%)
- Green (100%)
- Blue (72%)



- Red (72%)
- Yellow (100%)
- Blue (88%)



- Cyan (16%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.2350, 0.3282, 0.4065 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 89.2350, 0.3282, 0.4065 by changing the saturation by 10% instead.


 89.2350, 0.3282,
0.4065

 89.2350, 0.3282,
0.4065


525.5392, 0.3222,
0.3706

 67.3463, 0.3293,
0.4147


 146.2753, 0.3263,
0.3941

 49.3661, 0.3305,
0.4247


182.1958, 0.3255,
0.3892

 34.9100, 0.3318,
0.4374


223.5622, 0.3248,
0.3850

 23.5936, 0.3331,
0.4537

270.7592, 0.3242,
0.3814

 15.0324, 0.3342,
0.4757

324.1709, 0.3236,
0.3782

 8.8421, 0.3343,
0.5064

384.1819, 0.3231,

 4.6384, 0.3314,

0.3754

0.5516

451.1765, 0.3226,
0.3729

■ 2.0367, 0.3384,
0.6616

■ 0.6286, 0.0000,
1.0000

■ 89.2350, 0.3282,
0.4065

■ 89.2350, 0.3282,
0.4065

■ 86.1832, 0.3328,
0.4373

■ 92.6815, 0.3230,
0.3771

■ 83.4992, 0.3363,
0.4685

■ 96.5256, 0.3174,
0.3497

■ 81.1700, 0.3383,
0.4986

99.9986, 0.3127,
0.3290

■ 79.1776, 0.3385,
0.5260

■ 77.5018, 0.3367,
0.5490

■ 76.1195, 0.3328,
0.5663

■ 75.0009, 0.3274,
0.5774

■ 74.8236, 0.3264,
0.5791

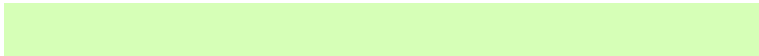
Harmonies

Analogous

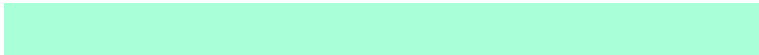
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.2350, 0.3694, 0.4060



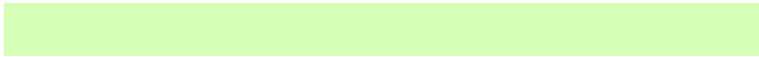
89.2350, 0.3282, 0.4065



89.2350, 0.2847, 0.3812

Triad

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



89.2350, 0.3282, 0.4065



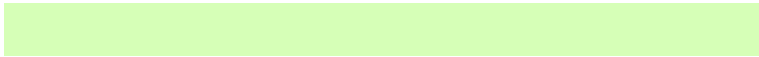
89.2350, 0.2346, 0.2687



89.2350, 0.3780, 0.3150

Complementary

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



89.2350, 0.3282, 0.4065



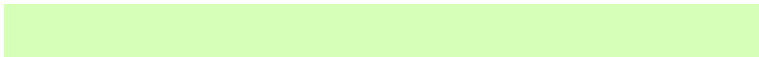
56.9434, 0.2924, 0.2533

Split Complementary

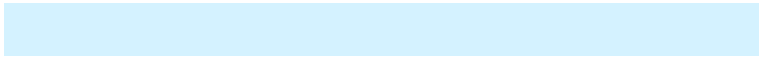
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.2350, 0.3375, 0.2840



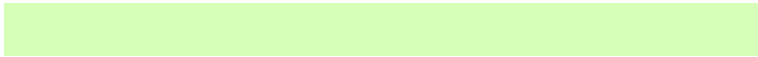
89.2350, 0.3282, 0.4065



89.2350, 0.2555, 0.2575

Square

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



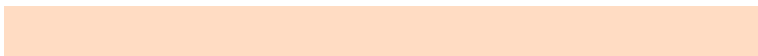
89.2350, 0.3282, 0.4065



89.2350, 0.2327, 0.2973



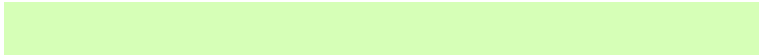
89.2350, 0.2923, 0.2635



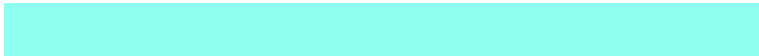
89.2350, 0.4000, 0.3506

Rectangle

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



89.2350, 0.3282, 0.4065



89.2350, 0.2601, 0.3539



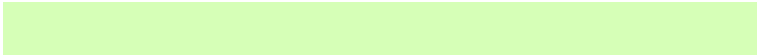
89.2350, 0.2923, 0.2635



89.2350, 0.3659, 0.3038

Sweetspot

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



89.2389, 0.3282, 0.4065



96.6188, 0.3173, 0.3491



77.8884, 0.3636, 0.3707



20.5507, 0.3181, 0.3531



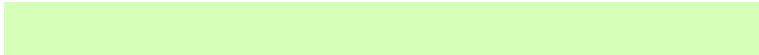
0.0000, 0.0000, 0.0000



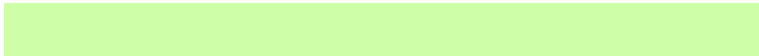
21.4041, 0.3127, 0.3290

Same Dimension

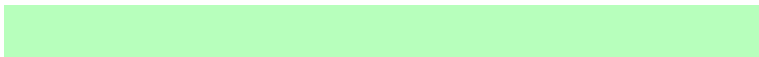
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.2389, 0.3282, 0.4065



87.4297, 0.3309, 0.4242



85.2121, 0.3063, 0.4056



20.5507, 0.3181, 0.3531



39.1818, 0.3275, 0.5781



3.8780, 0.3363, 0.5712

Inverse Universe

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



56.9434, 0.2924, 0.2533



50.1881, 0.2871, 0.2365



62.0514, 0.3196, 0.2628



17.8880, 0.3069, 0.3051



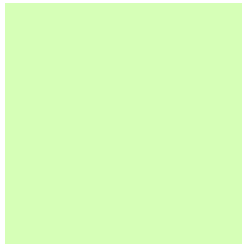
7.0153, 0.2163, 0.0965



0.7476, 0.2277, 0.1028

Previews

White Background



This preview shows how the Yxy color 89.2350, 0.3282, 0.4065 looks on a white background.

Color Contrast Check

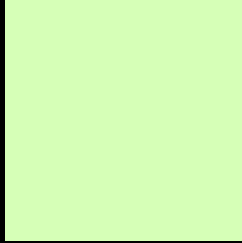
Large Text (above 18pt) WCAG AA × Fail

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 89.2350, 0.3282, 0.4065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

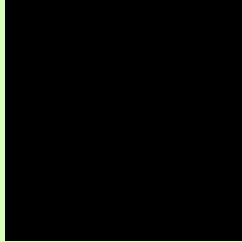
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

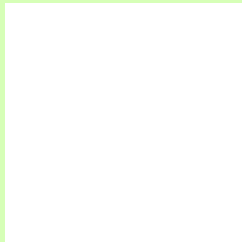
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.2350, 0.3282, 0.4065

Background



This preview shows how black text looks on a background with the Yxy color 89.2350, 0.3282, 0.4065.

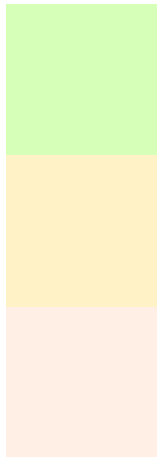


This preview shows how white text looks on a background with the Yxy color 89.2350, 0.3282, 0.4065.

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

89.2350, 0.3282, 0.4065

Protanopia

88.8415, 0.3492, 0.3729

Deuteranopia

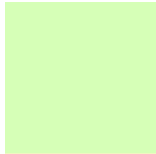
88.5944, 0.3303, 0.3399



Tritanopia

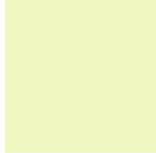
89.2450, 0.2993, 0.3180

Trichromacy



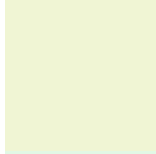
Original Color

89.2350, 0.3282, 0.4065



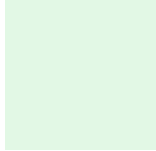
Protanomaly

88.8970, 0.3410, 0.3845



Deuteranomaly

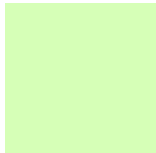
88.5835, 0.3295, 0.3628



Tritanomaly

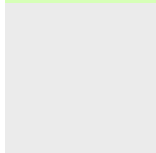
88.9607, 0.3099, 0.3486

Monochromacy



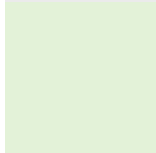
Original Color

89.2350, 0.3282, 0.4065



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.7930, 0.3187, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.2350, 0.3282, 0.4065 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(214, 255, 183)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 183)  
}
```

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(214, 255, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 183) }
```

Border

The CSS property to change the border of an element to Yxy 89.2350, 0.3282, 0.4065 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(214, 255, 183) }
```

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

```
.border{ border-color:rgb(214, 255, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 255, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 89.2350, 0.3282, 0.4065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 183) }
```

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

```
.background{ background-color: rgb(214,  
255, 183) }
```

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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