

Converting Colors

$Y_{xy}(89.3922, 0.3467, 0.4315)$

Have a look what the booklet for
Yxy(89.3922, 0.3467, 0.4315)
contains.

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Color

Yxy(89.3608, 0.3467, 0.4318)

Conversions

Conversions Part 1

Format	Color
Hex	DDFF9E
RGB	221, 255, 158
RGB Percent	87%, 100%, 62%
CMY	0.1334, 0.0000, 0.3802
CMYK	0.13, 0.00, 0.38, 0.00
HSL	81°, 100%, 81%
HSV	81°, 38%, 100%
XYZ	71.7494, 89.3608, 45.8393
YIQ	233.7760, 10.8730, -37.3750

Conversions

Conversions Part 2

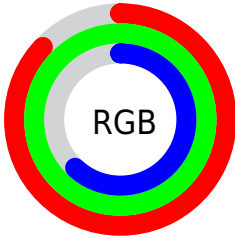
Format	Color
RYB	158, 255, 192
Decimal	14548894
CIELab	95.73, -26.34, 42.74
CIELCh	96, 50.205, 121.638
Yxy	89.3608, 0.3467, 0.4318
Android (android.graphics.Color)	4292738974 (0xFFDDFF9E)
YUV	233.7760, -37.3576, -11.2046
Hunter-Lab	94.5308, -29.9466, 37.4210

Details

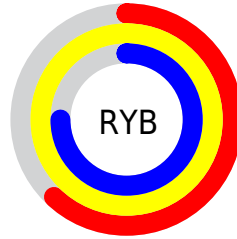
The Yxy color **89.3608, 0.3467, 0.4318** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **42.9101, 0.2668, 0.2199**, and the grayscale version is **82.3822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6350, 0.3370, 0.3691**, and **49.4074, 0.3525, 0.4551** is the 20% darker color. If you saturate the color by 10%, you get **87.2028, 0.3539, 0.4598**, and if you desaturate by 10%, it is **91.7733, 0.3383, 0.4034**.

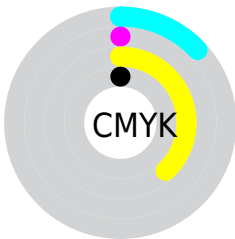
Distribution



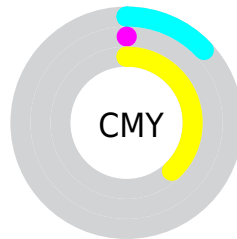
- Red (87%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (75%)



- Cyan (13%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.3608, 0.3467, 0.4318 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 89.3608, 0.3467, 0.4318 by changing the saturation by 10% instead.


 89.3608, 0.3467,
0.4318


 89.3608, 0.3467,
0.4318

525.9494, 0.3332,
0.3844

 67.4506, 0.3492,
0.4424


 146.4502, 0.3425,
0.4155

 49.4509, 0.3520,
0.4554


 182.3982, 0.3407,
0.4091

 34.9773, 0.3549,
0.4715


223.7943, 0.3391,
0.4036

 23.6454, 0.3580,
0.4919

271.0228, 0.3377,
0.3988

 15.0708, 0.3605,
0.5185

324.4682, 0.3364,
0.3945

 8.8691, 0.3610,
0.5538

384.5148, 0.3352,

 4.6559, 0.3659,

0.3908

0.6190

451.5471, 0.3341,
0.3874

■ 2.0468, 0.3335,
0.6665

■ 0.6345, 0.0000,
1.0000

■ 89.3608, 0.3467,
0.4318

■ 89.3608, 0.3467,
0.4318

■ 87.2028, 0.3539,
0.4598

■ 91.7733, 0.3383,
0.4034

■ 85.2907, 0.3595,
0.4862

■ 94.4556, 0.3293,
0.3756

■ 83.6094, 0.3630,
0.5097

■ 97.4173, 0.3201,
0.3490

■ 82.1432, 0.3640,
0.5289

100.0000, 0.3127,
0.3290

■ 80.8741, 0.3625,
0.5433

■ 79.7777, 0.3587,
0.5526

■ 79.5742, 0.3578,
0.5541

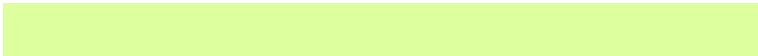
Harmonies

Analogous

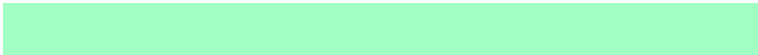
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3608, 0.3954, 0.4198



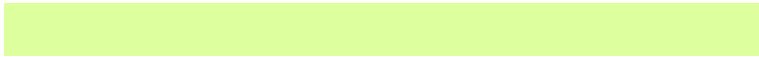
89.3608, 0.3467, 0.4318



89.3608, 0.2913, 0.4091

Triad

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



89.3608, 0.3467, 0.4318



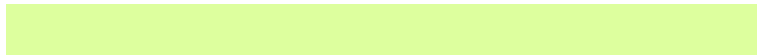
89.3608, 0.2126, 0.2605



89.3608, 0.3826, 0.2990

Complementary

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



89.3608, 0.3467, 0.4318



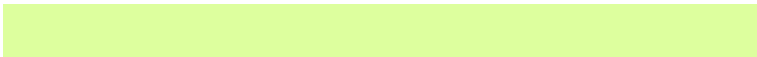
42.9101, 0.2668, 0.2199

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.



89.3608, 0.3270, 0.2644



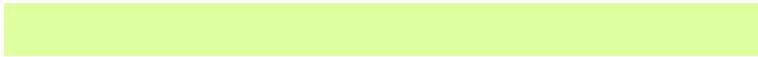
89.3608, 0.3467, 0.4318



89.3608, 0.2317, 0.2416

Square

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



89.3608, 0.3467, 0.4318



89.3608, 0.2167, 0.3013



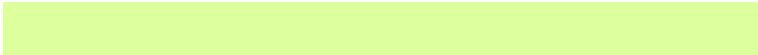
89.3608, 0.2719, 0.2438



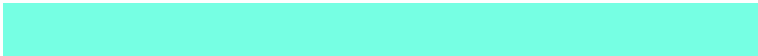
89.3608, 0.4191, 0.3416

Rectangle

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



89.3608, 0.3467, 0.4318



89.3608, 0.2582, 0.3766



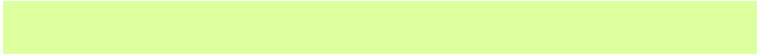
89.3608, 0.2719, 0.2438



89.3608, 0.3653, 0.2863

Sweetspot

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



89.3595, 0.3467, 0.4318



96.5039, 0.3228, 0.3568



61.4244, 0.3934, 0.3647



20.5688, 0.3241, 0.3603



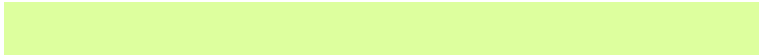
0.0000, 0.0000, 0.0000



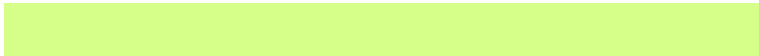
21.4041, 0.3127, 0.3290

Same Dimension

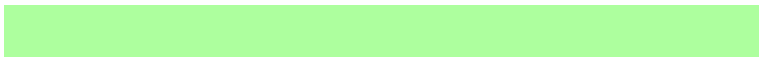
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.3595, 0.3467, 0.4318



87.6176, 0.3526, 0.4542



82.8292, 0.3157, 0.4426



20.7531, 0.3215, 0.3529



41.6657, 0.3588, 0.5533



4.1179, 0.3657, 0.5478

Inverse Universe

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



42.9101, 0.2668, 0.2199



34.8786, 0.2544, 0.1943



50.2991, 0.3052, 0.2313



17.6877, 0.3034, 0.3048



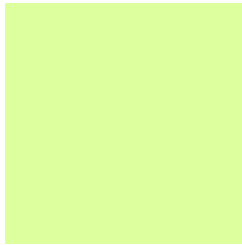
4.9700, 0.1768, 0.0747



0.5422, 0.1891, 0.0815

Previews

White Background



This preview shows how the Yxy color 89.3608, 0.3467, 0.4318 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 89.3608, 0.3467, 0.4318 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 89.3608, 0.3467, 0.4318

Background



This preview shows how black text looks on a background with the Yxy color 89.3608, 0.3467, 0.4318.

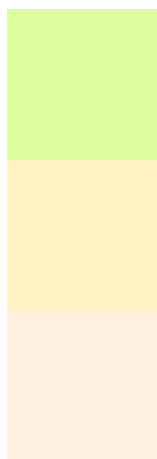


This preview shows how white text looks on a background with the Yxy color 89.3608, 0.3467, 0.4318.

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

89.3608, 0.3467, 0.4318

Protanopia

88.7955, 0.3498, 0.3740

Deuteranopia

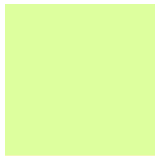
89.0712, 0.3315, 0.3428



Tritanopia

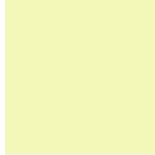
88.9014, 0.3024, 0.3161

Trichromacy



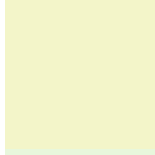
Original Color

89.3608, 0.3467, 0.4318



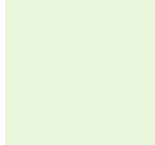
Protanomaly

88.9951, 0.3492, 0.3945



Deuteranomaly

88.5765, 0.3384, 0.3740



Tritanomaly

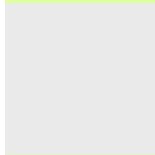
88.8446, 0.3191, 0.3568

Monochromacy



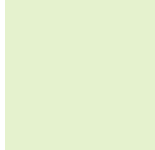
Original Color

89.3608, 0.3467, 0.4318



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.6185, 0.3262, 0.3670

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.3608, 0.3467, 0.4318 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(221, 255, 158)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 158)  
}
```

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(221, 255, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 158) }
```

Border

The CSS property to change the border of an element to Yxy 89.3608, 0.3467, 0.4318 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(221, 255, 158) }
```

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

```
.border{ border-color:rgb(221, 255, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 255, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 158);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 89.3608, 0.3467, 0.4318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 255, 158) }
```

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

```
.background{ background-color: rgb(221,  
255, 158) }
```

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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