

Converting Colors

$Yxy(89.6112, 0.3477, 0.4314)$

Have a look what the booklet for
Yxy(89.6112, 0.3477, 0.4314)
contains.

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Color

Yxy(89.6766, 0.3481, 0.4314)

Conversions

Conversions Part 1

Format	Color
Hex	DFFF9E
RGB	223, 255, 158
RGB Percent	87%, 100%, 62%
CMY	0.1255, 0.0000, 0.3804
CMYK	0.13, 0.00, 0.38, 0.00
HSL	80°, 100%, 81%
HSV	80°, 38%, 100%
XYZ	72.3607, 89.6766, 45.8361
YIQ	234.3740, 12.0650, -36.9510

Conversions

Conversions Part 2

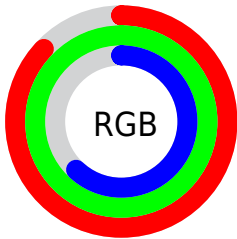
Format	Color
RYB	158, 255, 190
Decimal	14679966
CIELab	95.86, -25.61, 42.97
CIELCh	96, 50.028, 120.795
Yxy	89.6766, 0.3481, 0.4314
Android (android.graphics.Color)	4292870046 (0xFFDFFF9E)
YUV	234.3740, -37.6524, -9.9750
Hunter-Lab	94.6977, -29.3250, 37.5906

Details

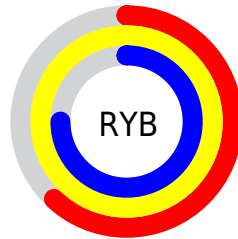
The Yxy color **89.6766, 0.3481, 0.4314** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **42.6153, 0.2652, 0.2194**, and the grayscale version is **82.8587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6350, 0.3370, 0.3691**, and **49.6236, 0.3542, 0.4544** is the 20% darker color. If you saturate the color by 10%, you get **87.5833, 0.3557, 0.4591**, and if you desaturate by 10%, it is **92.0161, 0.3394, 0.4032**.

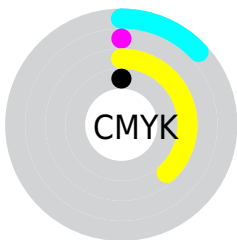
Distribution



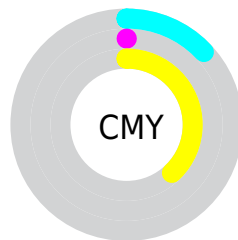
- Red (87%)
- Green (100%)
- Blue (62%)



- 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 89.6766, 0.3481, 0.4314 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 89.6766, 0.3481, 0.4314 by changing the saturation by 10% instead.


 89.6766, 0.3481,
0.4314


 89.6766, 0.3481,
0.4314

526.9783, 0.3339,
0.3843

 67.7124, 0.3507,
0.4419

 146.8891, 0.3437,
0.4152

 49.6638, 0.3537,
0.4548


 182.9062, 0.3418,
0.4089

 35.1464, 0.3569,
0.4707


224.3765, 0.3401,
0.4034

 23.7756, 0.3602,
0.4909

271.6842, 0.3386,
0.3986

 15.1673, 0.3630,
0.5171

325.2139, 0.3373,
0.3944

 8.9369, 0.3640,
0.5518

385.3499, 0.3361,

 4.7000, 0.3696,

0.3906

0.6156

452.4765, 0.3349,
0.3873

■ 2.0724, 0.3385,
0.6615

■ 0.6490, 0.0000,
1.0000

■ 89.6766, 0.3481,
0.4314

■ 89.6766, 0.3481,
0.4314

■ 87.5833, 0.3557,
0.4591

■ 92.0161, 0.3394,
0.4032

■ 85.7275, 0.3617,
0.4851

■ 94.6166, 0.3300,
0.3755

■ 84.0943, 0.3655,
0.5081

■ 97.4876, 0.3204,
0.3491

■ 82.6684, 0.3668,
0.5270

100.0000, 0.3127,
0.3290

■ 81.4319, 0.3656,
0.5409

■ 80.3606, 0.3621,
0.5499

■ 80.1639, 0.3613,
0.5513

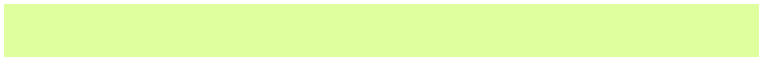
Harmonies

Analogous

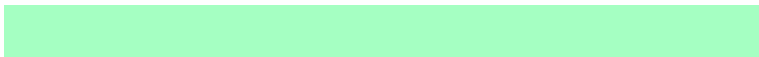
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6766, 0.3962, 0.4186



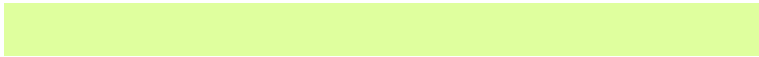
89.6766, 0.3481, 0.4314



89.6766, 0.2929, 0.4098

Triad

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



89.6766, 0.3481, 0.4314



89.6766, 0.2128, 0.2617



89.6766, 0.3809, 0.2980

Complementary

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



89.6766, 0.3481, 0.4314



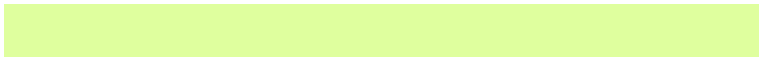
42.6153, 0.2652, 0.2194

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.



89.6766, 0.3253, 0.2639



89.6766, 0.3481, 0.4314



89.6766, 0.2312, 0.2422

Square

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



89.6766, 0.3481, 0.4314



89.6766, 0.2176, 0.3029



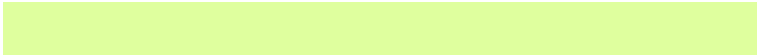
89.6766, 0.2707, 0.2438



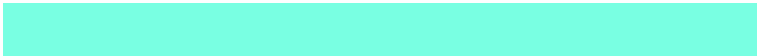
89.6766, 0.4179, 0.3404

Rectangle

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



89.6766, 0.3481, 0.4314



89.6766, 0.2597, 0.3779



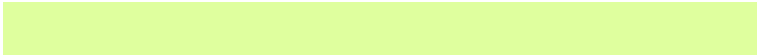
89.6766, 0.2707, 0.2438



89.6766, 0.3635, 0.2854

Sweetspot

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



89.6754, 0.3481, 0.4314



96.6103, 0.3232, 0.3567



59.9978, 0.3948, 0.3614



20.5942, 0.3245, 0.3603



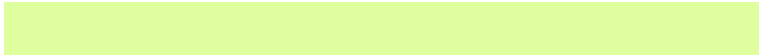
0.0000, 0.0000, 0.0000



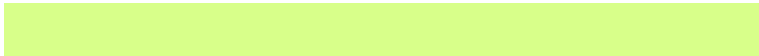
21.4041, 0.3127, 0.3290

Same Dimension

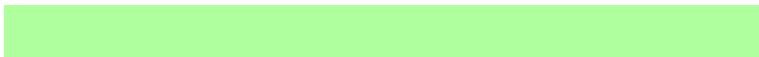
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6754, 0.3481, 0.4314



87.9914, 0.3543, 0.4535



83.1918, 0.3176, 0.4420



20.7729, 0.3218, 0.3528



41.9721, 0.3622, 0.5506



4.1462, 0.3688, 0.5454

Inverse Universe

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



42.6153, 0.2652, 0.2194



34.5875, 0.2525, 0.1937



49.7107, 0.3025, 0.2304



17.6687, 0.3030, 0.3048



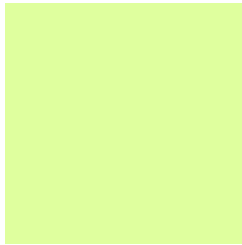
4.8325, 0.1738, 0.0731



0.5271, 0.1859, 0.0798

Previews

White Background



This preview shows how the Yxy color 89.6766, 0.3481, 0.4314 looks on a white background.

Color Contrast Check

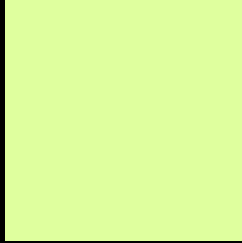
Large Text (above 18pt) WCAG AA × Fail

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 89.6766, 0.3481, 0.4314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

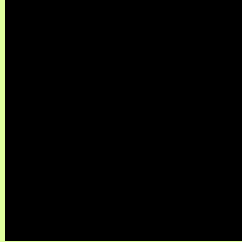
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.6766, 0.3481, 0.4314

Background



This preview shows how black text looks on a background with the Yxy color 89.6766, 0.3481, 0.4314.

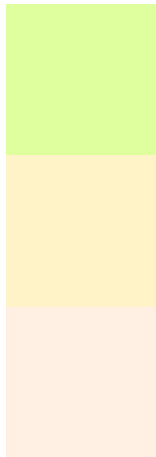


This preview shows how white text looks on a background with the Yxy color 89.6766, 0.3481, 0.4314.

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

89.6766, 0.3481, 0.4314

Protanopia

89.4847, 0.3484, 0.3729

Deuteranopia

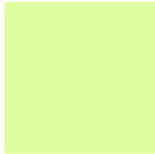
89.1262, 0.3309, 0.3418



Tritanopia

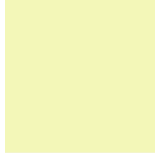
89.6719, 0.3031, 0.3171

Trichromacy



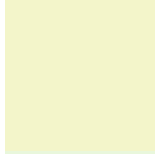
Original Color

89.6766, 0.3481, 0.4314



Protanomaly

89.0369, 0.3486, 0.3935



Deuteranomaly

88.6238, 0.3378, 0.3729



Tritanomaly

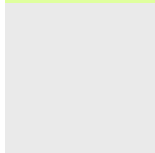
89.0125, 0.3198, 0.3568

Monochromacy



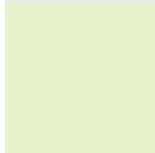
Original Color

89.6766, 0.3481, 0.4314



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.7835, 0.3268, 0.3669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6766, 0.3481, 0.4314 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(223, 255, 158)` looks like.

```
.text, #text, p{  
    color:rgb(223, 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(223, 255, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 158) }
```

Border

The CSS property to change the border of an element to Yxy 89.6766, 0.3481, 0.4314 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(223, 255, 158) }
```

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

```
.border{ border-color:rgb(223, 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(223, 255, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 158);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6766, 0.3481, 0.4314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 158) }
```

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

```
.background{ background-color: rgb(223,  
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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