

Converting Colors

$Yxy(89.9980, 0.3431, 0.4221)$

Have a look what the booklet for
Yxy(89.9980, 0.3431, 0.4221)
contains.

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Color

Yxy(89.9980, 0.3431, 0.4221)

Conversions

Conversions Part 1

Format	Color
Hex	DFFFA7
RGB	223, 255, 167
RGB Percent	87%, 100%, 65%
CMY	0.1257, 0.0000, 0.3452
CMYK	0.13, 0.00, 0.35, 0.00
HSL	82°, 100%, 83%
HSV	82°, 35%, 100%
XYZ	73.1540, 89.9980, 50.0629
YIQ	235.4000, 9.1760, -34.1520

Conversions

Conversions Part 2

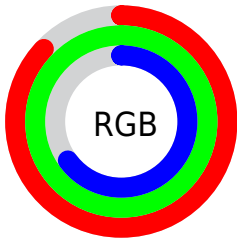
Format	Color
RYB	167, 255, 199
Decimal	14679975
CIELab	96.00, -24.53, 38.73
CIELCh	96, 45.844, 122.343
Yxy	89.9980, 0.3431, 0.4221
Android (android.graphics.Color)	4292870055 (0xFFDFFFA7)
YUV	235.4000, -33.7212, -10.8748
Hunter-Lab	94.8673, -28.3729, 35.1189

Details

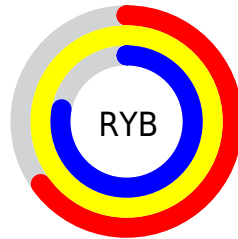
The Yxy color **89.9980, 0.3431, 0.4221** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **46.9946, 0.2728, 0.2313**, and the grayscale version is **83.6416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1077, 0.3315, 0.3601**, and **49.8186, 0.3483, 0.4430** is the 20% darker color. If you saturate the color by 10%, you get **87.7039, 0.3506, 0.4505**, and if you desaturate by 10%, it is **92.5426, 0.3347, 0.3936**.

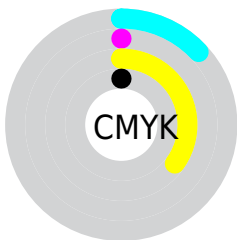
Distribution



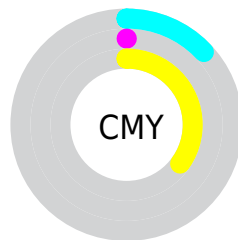
- Red (87%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (78%)



- Cyan (13%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.9980, 0.3431, 0.4221 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 89.9980, 0.3431, 0.4221 by changing the saturation by 10% instead.


 89.9980, 0.3431,
0.4221

 89.9980, 0.3431,
0.4221


528.0243, 0.3308,
0.3792

 67.9790, 0.3454,
0.4317


 147.3356, 0.3392,
0.4073

 49.8806, 0.3480,
0.4435


 183.4230, 0.3376,
0.4016

 35.3186, 0.3509,
0.4581


224.9686, 0.3362,
0.3966

 23.9084, 0.3541,
0.4769

272.3569, 0.3349,
0.3922

 15.2657, 0.3570,
0.5014

325.9722, 0.3337,
0.3884

 9.0060, 0.3588,
0.5345

386.1990, 0.3327,

 4.7451, 0.3604,

0.3850

0.5869

453.4216, 0.3317,
0.3820

■ 2.0985, 0.3456,
0.6544

■ 0.6638, 0.0463,
0.9537

■ 89.9980, 0.3431,
0.4221

■ 89.9980, 0.3431,
0.4221

■ 87.7039, 0.3506,
0.4505

■ 92.5426, 0.3347,
0.3936

■ 85.6725, 0.3565,
0.4779

■ 95.3735, 0.3258,
0.3661

■ 83.8822, 0.3606,
0.5028

■ 98.4930, 0.3168,
0.3401

■ 82.3179, 0.3623,
0.5239

100.0000, 0.3127,
0.3290

■ 80.9623, 0.3614,
0.5403

■ 79.7946, 0.3582,
0.5514

■ 79.2185, 0.3557,
0.5558

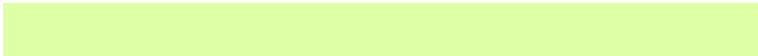
Harmonies

Analogous

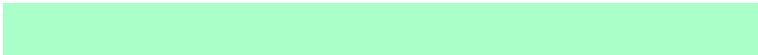
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9980, 0.3878, 0.4128



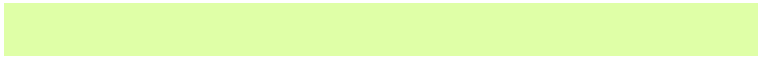
89.9980, 0.3431, 0.4221



89.9980, 0.2924, 0.4004

Triad

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



89.9980, 0.3431, 0.4221



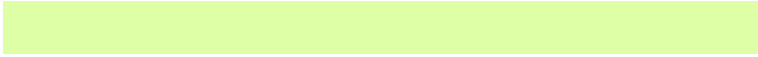
89.9980, 0.2208, 0.2659



89.9980, 0.3775, 0.3026

Complementary

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



89.9980, 0.3431, 0.4221



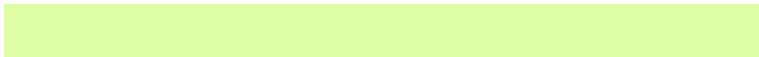
46.9946, 0.2728, 0.2313

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.



89.9980, 0.3272, 0.2702



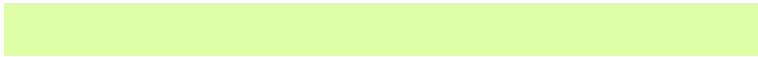
89.9980, 0.3431, 0.4221



89.9980, 0.2390, 0.2485

Square

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



89.9980, 0.3431, 0.4221



89.9980, 0.2242, 0.3032



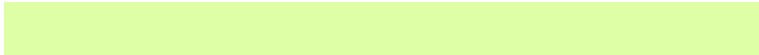
89.9980, 0.2766, 0.2508



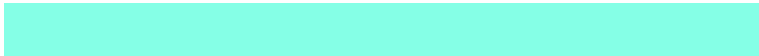
89.9980, 0.4100, 0.3422

Rectangle

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



89.9980, 0.3431, 0.4221



89.9980, 0.2621, 0.3710



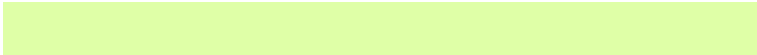
89.9980, 0.2766, 0.2508



89.9980, 0.3618, 0.2907

Sweetspot

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



89.9899, 0.3431, 0.4221



96.7467, 0.3217, 0.3542



64.3394, 0.3839, 0.3613



20.6150, 0.3230, 0.3579



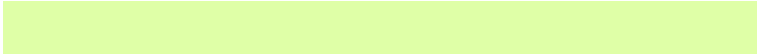
0.0000, 0.0000, 0.0000



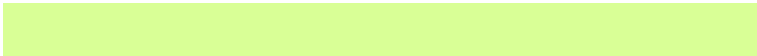
21.4041, 0.3127, 0.3290

Same Dimension

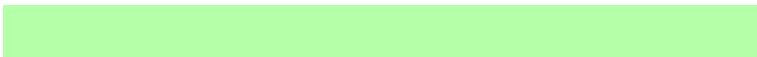
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.9899, 0.3431, 0.4221



88.4786, 0.3481, 0.4406



84.0342, 0.3156, 0.4306



20.7408, 0.3213, 0.3529



41.4808, 0.3567, 0.5550



4.1007, 0.3638, 0.5493

Inverse Universe

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



46.9946, 0.2728, 0.2313



39.9333, 0.2633, 0.2107



53.6905, 0.3061, 0.2403



17.6996, 0.3036, 0.3048



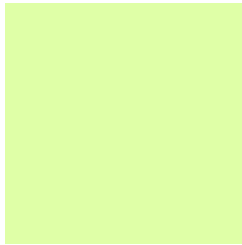
5.0609, 0.1787, 0.0758



0.5520, 0.1911, 0.0826

Previews

White Background



This preview shows how the Yxy color 89.9980, 0.3431, 0.4221 looks on a white background.

Color Contrast Check

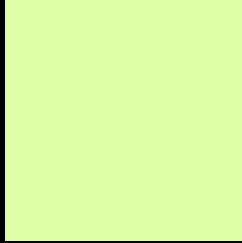
Large Text (above 18pt) WCAG AA × Fail

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 89.9980, 0.3431, 0.4221 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

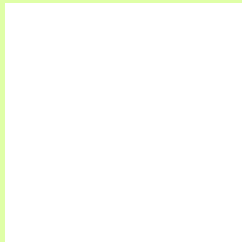
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.9980, 0.3431, 0.4221

Background



This preview shows how black text looks on a background with the Yxy color 89.9980, 0.3431, 0.4221.

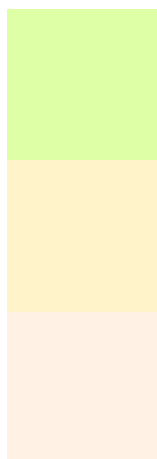


This preview shows how white text looks on a background with the Yxy color 89.9980, 0.3431, 0.4221.

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

89.9980, 0.3431, 0.4221

Protanopia

89.6255, 0.3464, 0.3699

Deuteranopia

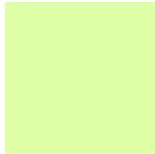
89.7720, 0.3301, 0.3418



Tritanopia

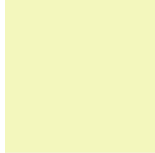
89.6719, 0.3031, 0.3171

Trichromacy



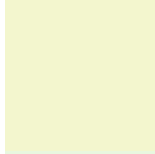
Original Color

89.9980, 0.3431, 0.4221



Protanomaly

89.2503, 0.3455, 0.3883



Deuteranomaly

89.4225, 0.3351, 0.3697



Tritanomaly

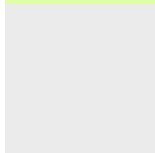
89.1729, 0.3180, 0.3536

Monochromacy



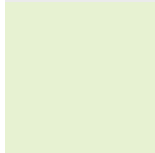
Original Color

89.9980, 0.3431, 0.4221



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

85.1463, 0.3250, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.9980, 0.3431, 0.4221 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 167)  
}
```

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, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 167) }
```

Border

The CSS property to change the border of an element to Yxy 89.9980, 0.3431, 0.4221 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, 167) }
```

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

```
.border{ border-color:rgb(223, 255, 167) }
```

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, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 167);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 89.9980, 0.3431, 0.4221 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, 167) }
```

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

```
.background{ background-color: rgb(223,  
255, 167) }
```

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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