

Converting Colors

$Yxy(89.8470, 0.3469, 0.4285)$

Have a look what the booklet for
Yxy(89.8470, 0.3469, 0.4285)
contains.

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Color

Yxy(89.7812, 0.3464, 0.4283)

Conversions

Conversions Part 1

Format	Color
Hex	DFFFA1
RGB	223, 255, 161
RGB Percent	87%, 100%, 63%
CMY	0.1257, 0.0000, 0.3686
CMYK	0.13, 0.00, 0.37, 0.00
HSL	80°, 100%, 82%
HSV	80°, 37%, 100%
XYZ	72.6131, 89.7812, 47.2279
YIQ	234.7160, 11.1020, -36.0180

Conversions

Conversions Part 2

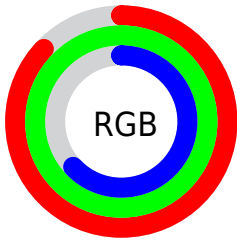
Format	Color
RYB	161, 255, 193
Decimal	14679969
CIELab	95.91, -25.27, 41.55
CIELCh	96, 48.628, 121.309
Yxy	89.7812, 0.3464, 0.4283
Android (android.graphics.Color)	4292870049 (0xFFDFFFA1)
YUV	234.7160, -36.3420, -10.2749
Hunter-Lab	94.7529, -29.0256, 36.7750

Details

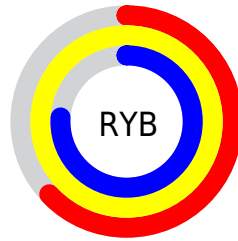
The Yxy color **89.7812, 0.3464, 0.4283** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.0632, 0.2678, 0.2234**, and the grayscale version is **83.1137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7898, 0.3352, 0.3661**, and **49.6864, 0.3523, 0.4507** is the 20% darker color. If you saturate the color by 10%, you get **87.6175, 0.3540, 0.4563**, and if you desaturate by 10%, it is **92.1834, 0.3378, 0.4000**.

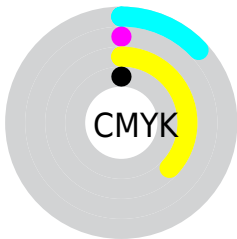
Distribution



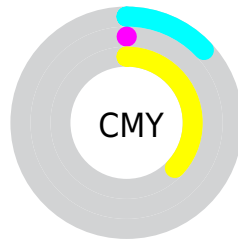
- Red (87%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (76%)



- Cyan (13%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.7812, 0.3464, 0.4283 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 89.7812, 0.3464, 0.4283 by changing the saturation by 10% instead.

 89.7812, 0.3464,
0.4283

 89.7812, 0.3464,
0.4283


527.3188, 0.3329,
0.3826

 67.7992, 0.3489,
0.4385


 147.0344, 0.3422,
0.4126

 49.7344, 0.3518,
0.4510


 183.0744, 0.3404,
0.4064

 35.2024, 0.3549,
0.4665


224.5692, 0.3388,
0.4011

 23.8188, 0.3581,
0.4863

271.9032, 0.3374,
0.3965

 15.1993, 0.3610,
0.5120

325.4608, 0.3361,
0.3924

 8.9594, 0.3624,
0.5462

385.6263, 0.3349,

 4.7147, 0.3663,

0.3887

0.6057

452.7842, 0.3338,
0.3855

■ 2.0808, 0.3408,
0.6592

■ 0.6538, 0.0069,
0.9931

■ 89.7812, 0.3464,
0.4283

■ 89.7812, 0.3464,
0.4283

■ 87.6175, 0.3540,
0.4563

■ 92.1834, 0.3378,
0.4000

■ 85.7039, 0.3599,
0.4827

■ 94.8593, 0.3285,
0.3724

■ 84.0189, 0.3638,
0.5064

■ 97.8114, 0.3191,
0.3460

■ 82.5473, 0.3653,
0.5260

100.0000, 0.3127,
0.3290

■ 81.2713, 0.3642,
0.5408

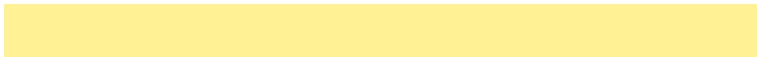
■ 80.1689, 0.3608,
0.5504

■ 79.8479, 0.3594,
0.5528

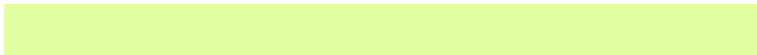
Harmonies

Analogous

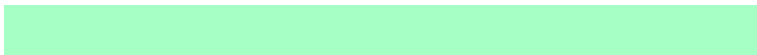
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7812, 0.3934, 0.4167



89.7812, 0.3464, 0.4283



89.7812, 0.2927, 0.4066

Triad

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



89.7812, 0.3464, 0.4283



89.7812, 0.2155, 0.2631



89.7812, 0.3798, 0.2996

Complementary

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



89.7812, 0.3464, 0.4283



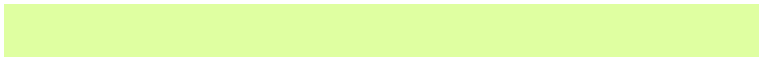
44.0632, 0.2678, 0.2234

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.



89.7812, 0.3260, 0.2660



89.7812, 0.3464, 0.4283



89.7812, 0.2338, 0.2443

Square

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



89.7812, 0.3464, 0.4283



89.7812, 0.2198, 0.3030



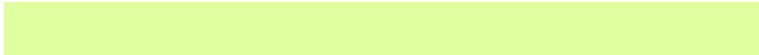
89.7812, 0.2727, 0.2462



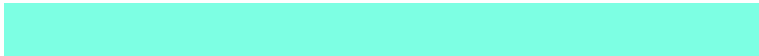
89.7812, 0.4153, 0.3410

Rectangle

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



89.7812, 0.3464, 0.4283



89.7812, 0.2605, 0.3755



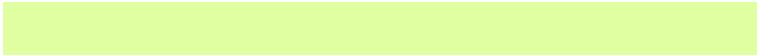
89.7812, 0.2727, 0.2462



89.7812, 0.3630, 0.2872

Sweetspot

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



89.7733, 0.3464, 0.4283



96.5537, 0.3230, 0.3568



61.6851, 0.3908, 0.3620



20.5807, 0.3243, 0.3603



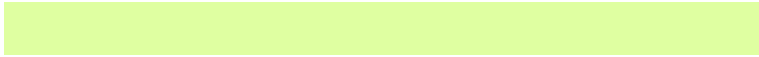
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

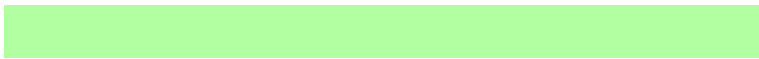
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.7733, 0.3464, 0.4283



88.2078, 0.3519, 0.4484



83.4037, 0.3166, 0.4383



20.7624, 0.3216, 0.3529



41.8079, 0.3604, 0.5521



4.1310, 0.3672, 0.5467

Inverse Universe

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



44.0632, 0.2678, 0.2234



36.6369, 0.2567, 0.2005



51.1255, 0.3042, 0.2339



17.6788, 0.3032, 0.3048



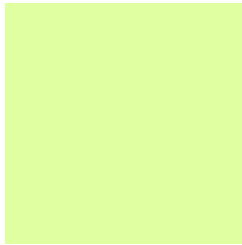
4.9043, 0.1754, 0.0740



0.5350, 0.1876, 0.0807

Previews

White Background



This preview shows how the Yxy color 89.7812, 0.3464, 0.4283 looks on a white background.

Color Contrast Check

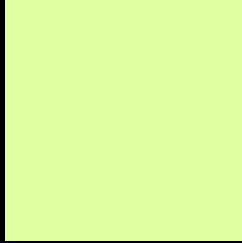
Large Text (above 18pt) WCAG AA × Fail

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 89.7812, 0.3464, 0.4283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

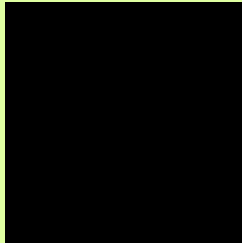
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

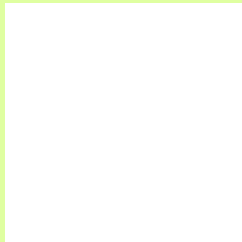
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.7812, 0.3464, 0.4283

Background



This preview shows how black text looks on a background with the Yxy color 89.7812, 0.3464, 0.4283.

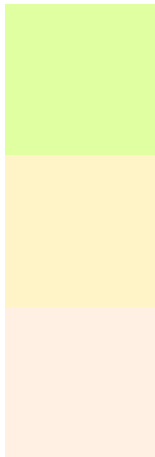


This preview shows how white text looks on a background with the Yxy color 89.7812, 0.3464, 0.4283.

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

89.7812, 0.3464, 0.4283

Protanopia

89.5313, 0.3477, 0.3719

Deuteranopia

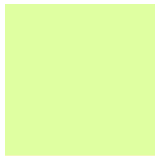
89.1262, 0.3309, 0.3418



Tritanopia

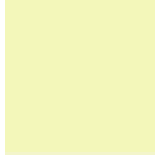
89.6719, 0.3031, 0.3171

Trichromacy



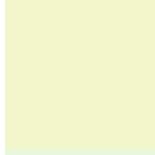
Original Color

89.7812, 0.3464, 0.4283



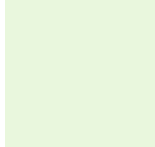
Protanomaly

89.1214, 0.3473, 0.3914



Deuteranomaly

88.6713, 0.3372, 0.3719



Tritanomaly

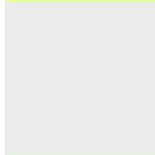
89.0656, 0.3192, 0.3557

Monochromacy



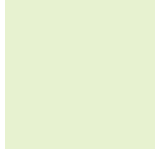
Original Color

89.7812, 0.3464, 0.4283



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

85.0473, 0.3263, 0.3647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.7812, 0.3464, 0.4283 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, 161)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 161)  
}
```

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, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 161) }
```

Border

The CSS property to change the border of an element to Yxy 89.7812, 0.3464, 0.4283 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, 161) }
```

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

```
.border{ border-color:rgb(223, 255, 161) }
```

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, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 161);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 89.7812, 0.3464, 0.4283 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, 161) }
```

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

```
.background{ background-color: rgb(223,  
255, 161) }
```

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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