

Converting Colors

$Y_{xy}(90.0078, 0.3527, 0.4358)$

Have a look what the booklet for
Yxy(90.0078, 0.3527, 0.4358)
contains.

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Color

Yxy(89.9887, 0.3529, 0.4357)

Conversions

Conversions Part 1

Format	Color
Hex	E2FF99
RGB	226, 255, 153
RGB Percent	89%, 100%, 60%
CMY	0.1135, 0.0000, 0.4000
CMYK	0.11, 0.00, 0.40, 0.00
HSL	77°, 100%, 80%
HSV	77°, 40%, 100%
XYZ	72.8873, 89.9887, 43.6622
YIQ	234.7010, 15.4580, -37.8700

Conversions

Conversions Part 2

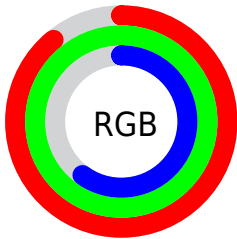
Format	Color
RYB	153, 255, 182
Decimal	14876569
CIELab	95.99, -25.07, 45.61
CIELCh	96, 52.040, 118.795
Yxy	89.9887, 0.3529, 0.4357
Android (android.graphics.Color)	4293066649 (0xFFE2FF99)
YUV	234.7010, -40.2786, -7.6308
Hunter-Lab	94.8624, -28.8590, 39.1143

Details

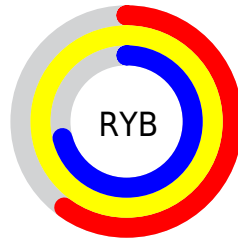
The Yxy color **89.9887, 0.3529, 0.4357** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **39.9370, 0.2586, 0.2120**, and the grayscale version is **83.1511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **49.7433, 0.3591, 0.4597** is the 20% darker color. If you saturate the color by 10%, you get **88.0930, 0.3611, 0.4624**, and if you desaturate by 10%, it is **92.1217, 0.3435, 0.4081**.

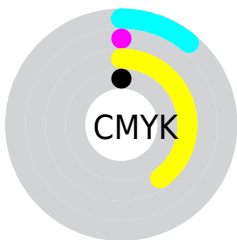
Distribution



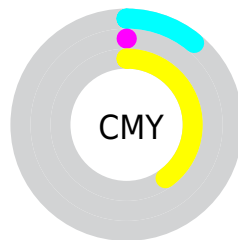
- Red (89%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (71%)



- Cyan (11%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.9887, 0.3529, 0.4357 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 89.9887, 0.3529, 0.4357 by changing the saturation by 10% instead.

 89.9887, 0.3529,
0.4357

 89.9887, 0.3529,
0.4357


527.9941, 0.3368,
0.3868

 67.9713, 0.3559,
0.4466


 147.3227, 0.3478,
0.4189

 49.8744, 0.3592,
0.4597

 183.4081, 0.3457,
0.4124

 35.3136, 0.3629,
0.4760


224.9515, 0.3438,
0.4067

 23.9045, 0.3666,
0.4966

272.3375, 0.3421,
0.4017

 15.2628, 0.3698,
0.5229

325.9503, 0.3406,
0.3973

 9.0040, 0.3710,
0.5571

386.1744, 0.3392,

 4.7438, 0.3780,

0.3934

0.6220

453.3942, 0.3379,
0.3899

■ 2.0977, 0.3424,
0.6576

■ 0.6634, 0.0273,
0.9727

■ 89.9887, 0.3529,
0.4357

■ 89.9887, 0.3529,
0.4357

■ 88.0930, 0.3611,
0.4624

■ 92.1217, 0.3435,
0.4081

■ 86.4105, 0.3674,
0.4871

■ 94.4913, 0.3334,
0.3806

■ 84.9317, 0.3716,
0.5084

■ 97.1116, 0.3230,
0.3541

■ 83.6411, 0.3732,
0.5254

99.9924, 0.3127,
0.3290

■ 82.5205, 0.3722,
0.5375

99.9945, 0.3127,
0.3290

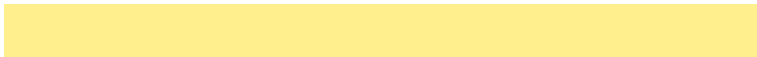
■ 81.5404, 0.3691,
0.5451

■ 81.5403, 0.3691,
0.5451

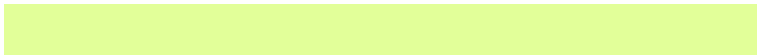
Harmonies

Analogous

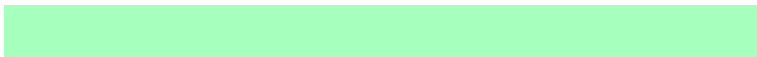
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9887, 0.4018, 0.4199



89.9887, 0.3529, 0.4357



89.9887, 0.2957, 0.4159

Triad

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



89.9887, 0.3529, 0.4357



89.9887, 0.2089, 0.2612



89.9887, 0.3801, 0.2942

Complementary

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



89.9887, 0.3529, 0.4357



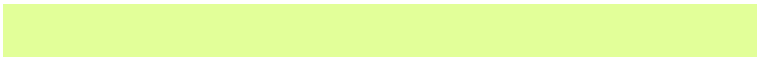
39.9370, 0.2586, 0.2120

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.



89.9887, 0.3217, 0.2597



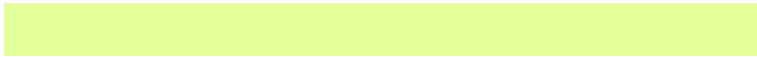
89.9887, 0.3529, 0.4357



89.9887, 0.2263, 0.2397

Square

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



89.9887, 0.3529, 0.4357



89.9887, 0.2154, 0.3052



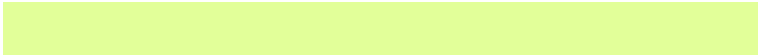
89.9887, 0.2657, 0.2402



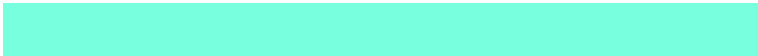
89.9887, 0.4205, 0.3374

Rectangle

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



89.9887, 0.3529, 0.4357



89.9887, 0.2608, 0.3837



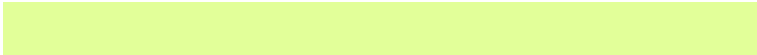
89.9887, 0.2657, 0.2402



89.9887, 0.3616, 0.2814

Sweetspot

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



89.9927, 0.3529, 0.4357



96.5743, 0.3251, 0.3593



56.9710, 0.4020, 0.3596



20.5959, 0.3265, 0.3627



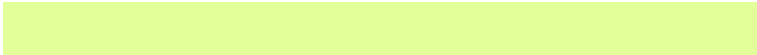
0.0000, 0.0000, 0.0000



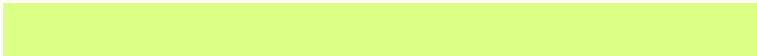
21.4041, 0.3127, 0.3290

Same Dimension

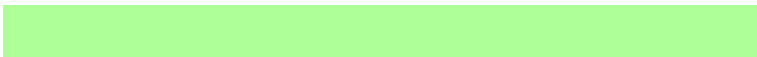
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.9927, 0.3529, 0.4357



88.4619, 0.3595, 0.4572



82.9392, 0.3197, 0.4479



20.8167, 0.3225, 0.3528



42.6892, 0.3699, 0.5445



4.2118, 0.3757, 0.5399

Inverse Universe

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



39.9370, 0.2586, 0.2120



32.1360, 0.2449, 0.1857



47.3063, 0.2990, 0.2245



17.6272, 0.3023, 0.3047



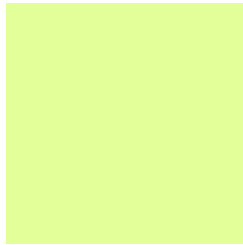
4.5638, 0.1680, 0.0699



0.4967, 0.1795, 0.0763

Previews

White Background



This preview shows how the Yxy color 89.9887, 0.3529, 0.4357 looks on a white background.

Color Contrast Check

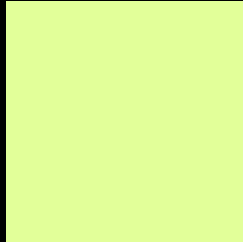
Large Text (above 18pt) WCAG AA × Fail

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 89.9887, 0.3529, 0.4357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

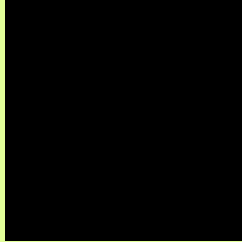
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.9887, 0.3529, 0.4357

Background



This preview shows how black text looks on a background with the Yxy color 89.9887, 0.3529, 0.4357.

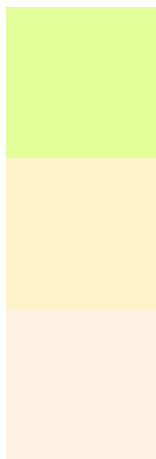


This preview shows how white text looks on a background with the Yxy color 89.9887, 0.3529, 0.4357.

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

89.9887, 0.3529, 0.4357

Protanopia

89.5782, 0.3471, 0.3709

Deuteranopia

89.7166, 0.3308, 0.3428



Tritanopia

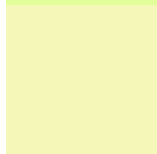
89.4250, 0.3043, 0.3162

Trichromacy



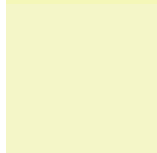
Original Color

89.9887, 0.3529, 0.4357



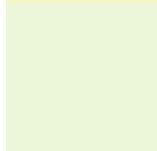
Protanomaly

89.2153, 0.3493, 0.3933



Deuteranomaly

89.3148, 0.3396, 0.3758



Tritanomaly

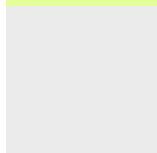
89.4164, 0.3230, 0.3587

Monochromacy



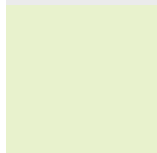
Original Color

89.9887, 0.3529, 0.4357



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

85.0678, 0.3288, 0.3678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.9887, 0.3529, 0.4357 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(226, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(226, 255, 153)  
}
```

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(226, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 255, 153) }
```

Border

The CSS property to change the border of an element to Yxy 89.9887, 0.3529, 0.4357 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(226, 255, 153) }
```

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

```
.border{ border-color:rgb(226, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(226, 255,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 89.9887, 0.3529, 0.4357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 255, 153) }
```

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

```
.background{ background-color: rgb(226,  
255, 153) }
```

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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