

Converting Colors

$Yxy(88.3097, 0.3432, 0.4349)$

Have a look what the booklet for
Yxy(88.3097, 0.3432, 0.4349)
contains.

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Color

Yxy(88.4014, 0.3433, 0.4343)

Conversions

Conversions Part 1

Format	Color
Hex	D7FF9D
RGB	215, 255, 157
RGB Percent	84%, 100%, 62%
CMY	0.1567, 0.0000, 0.3844
CMYK	0.16, 0.00, 0.38, 0.00
HSL	84°, 100%, 81%
HSV	84°, 38%, 100%
XYZ	69.8784, 88.4014, 45.2693
YIQ	231.8680, 7.6180, -38.9580

Conversions

Conversions Part 2

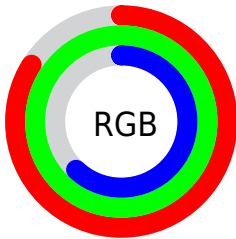
Format	Color
RYB	157, 255, 197
Decimal	14155677
CIELab	95.33, -28.60, 42.68
CIELCh	95, 51.372, 123.826
Yxy	88.4014, 0.3433, 0.4343
Android (android.graphics.Color)	4292345757 (0xFFD7FF9D)
YUV	231.8680, -36.9099, -14.7932
Hunter-Lab	94.0220, -31.8749, 37.2687

Details

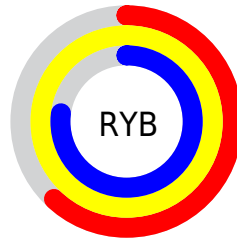
The Yxy color **88.4014, 0.3433, 0.4343** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **43.1892, 0.2704, 0.2199**, and the grayscale version is **80.8759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **48.7586, 0.3480, 0.4587** is the 20% darker color. If you saturate the color by 10%, you get **86.0991, 0.3495, 0.4631**, and if you desaturate by 10%, it is **90.9932, 0.3360, 0.4052**.

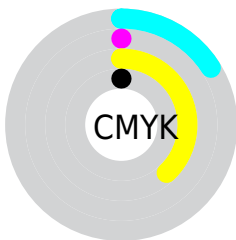
Distribution



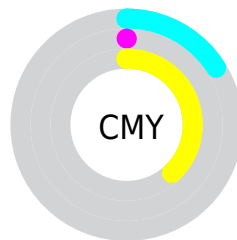
- Red (84%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (77%)



- Cyan (16%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.4014, 0.3433, 0.4343 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 88.4014, 0.3433, 0.4343 by changing the saturation by 10% instead.

 88.4014, 0.3433,
0.4343


 88.4014, 0.3433,
0.4343


522.8168, 0.3313,
0.3855

 66.6555, 0.3454,
0.4453


 145.1159, 0.3396,
0.4174

 48.8048, 0.3477,
0.4588

 180.8533, 0.3381,
0.4109

 34.4646, 0.3501,
0.4755


222.0233, 0.3366,
0.4052

 23.2508, 0.3524,
0.4969

269.0104, 0.3354,
0.4002

 14.7788, 0.3539,
0.5249

322.1989, 0.3342,
0.3959

 8.6643, 0.3528,
0.5622


381.9732, 0.3332,


 4.5229, 0.3564,


0.3920


0.6338


448.7177, 0.3322,
0.3886


 1.9701, 0.3176,
0.6824


 0.5900, 0.0000,
1.0000


 88.4014, 0.3433,
0.4343


 88.4014, 0.3433,
0.4343

 86.0991, 0.3495,
0.4631


 90.9932, 0.3360,
0.4052

 84.0613, 0.3540,
0.4905

 93.8751, 0.3280,
0.3770

 82.2775, 0.3564,
0.5149

 97.0623, 0.3197,
0.3502

 80.7312, 0.3565,
0.5351

99.9977, 0.3127,
0.3290

■ 79.4033, 0.3541,
0.5501

■ 78.2678, 0.3496,
0.5600

■ 78.1025, 0.3488,
0.5613

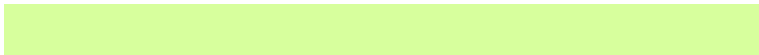
Harmonies

Analogous

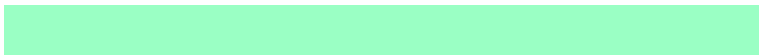
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4014, 0.3943, 0.4239



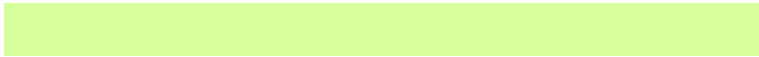
88.4014, 0.3433, 0.4343



88.4014, 0.2867, 0.4083

Triad

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



88.4014, 0.3433, 0.4343



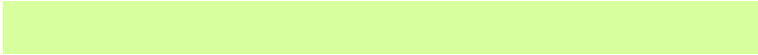
88.4014, 0.2108, 0.2565



88.4014, 0.3881, 0.3012

Complementary

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



88.4014, 0.3433, 0.4343



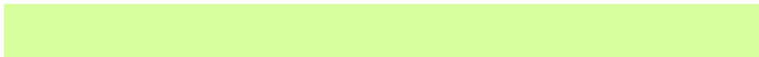
43.1892, 0.2704, 0.2199

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.



88.4014, 0.3317, 0.2650



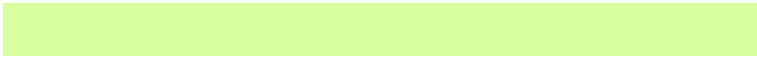
88.4014, 0.3433, 0.4343



88.4014, 0.2320, 0.2389

Square

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



88.4014, 0.3433, 0.4343



88.4014, 0.2133, 0.2967



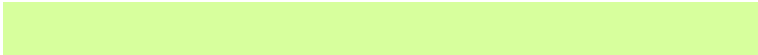
88.4014, 0.2745, 0.2428



88.4014, 0.4234, 0.3450

Rectangle

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



88.4014, 0.3433, 0.4343



88.4014, 0.2535, 0.3737



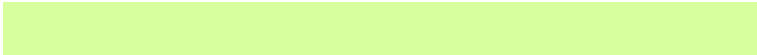
88.4014, 0.2745, 0.2428



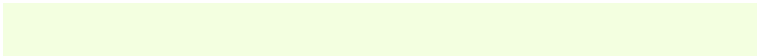
88.4014, 0.3707, 0.2879

Sweetspot

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



88.4053, 0.3433, 0.4343



95.8942, 0.3227, 0.3595



63.2578, 0.3926, 0.3701



20.4355, 0.3237, 0.3630



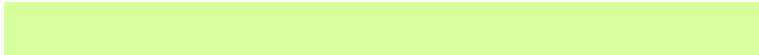
0.0000, 0.0000, 0.0000



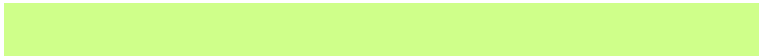
21.4041, 0.3127, 0.3290

Same Dimension

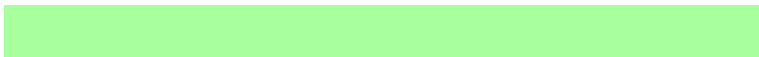
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.4053, 0.3433, 0.4343



86.6387, 0.3481, 0.4562



82.1434, 0.3128, 0.4450



20.7000, 0.3206, 0.3529



40.9010, 0.3499, 0.5604



4.0463, 0.3575, 0.5543

Inverse Universe

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



43.1892, 0.2704, 0.2199



35.6892, 0.2596, 0.1962



50.7753, 0.3091, 0.2314



17.7392, 0.3043, 0.3049



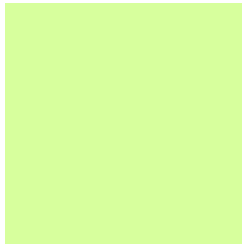
5.3904, 0.1855, 0.0795



0.5867, 0.1980, 0.0865

Previews

White Background



This preview shows how the Yxy color 88.4014, 0.3433, 0.4343 looks on a white background.

Color Contrast Check

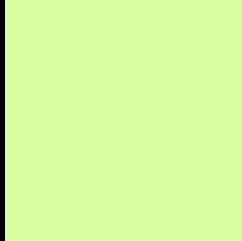
Large Text (above 18pt) WCAG AA × Fail

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 88.4014, 0.3433, 0.4343 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

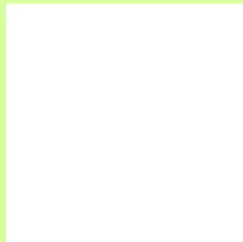
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.4014, 0.3433, 0.4343

Background



This preview shows how black text looks on a background with the Yxy color 88.4014, 0.3433, 0.4343.

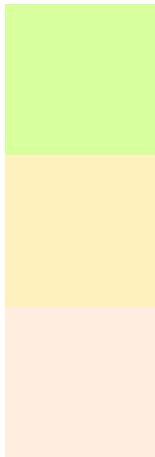


This preview shows how white text looks on a background with the Yxy color 88.4014, 0.3433, 0.4343.

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

88.4014, 0.3433, 0.4343

Protanopia

87.8883, 0.3546, 0.3801

Deuteranopia

87.7368, 0.3337, 0.3439



Tritanopia

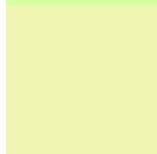
88.0479, 0.2993, 0.3160

Trichromacy



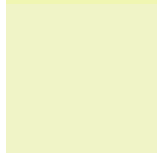
Original Color

88.4014, 0.3433, 0.4343



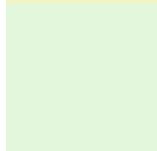
Protanomaly

87.6512, 0.3504, 0.3992



Deuteranomaly

87.3502, 0.3378, 0.3754



Tritanomaly

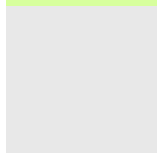
87.8048, 0.3158, 0.3582

Monochromacy



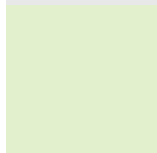
Original Color

88.4014, 0.3433, 0.4343



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.8967, 0.3250, 0.3663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.4014, 0.3433, 0.4343 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(215, 255, 157)` looks like.

```
.text, #text, p{  
    color:rgb(215, 255, 157)  
}
```

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(215, 255, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 157) }
```

Border

The CSS property to change the border of an element to Yxy 88.4014, 0.3433, 0.4343 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(215, 255, 157) }
```

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

```
.border{ border-color:rgb(215, 255, 157) }
```

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

Here you see how a box with a 4 pixel rgb(215, 255, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(215, 255,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 88.4014, 0.3433, 0.4343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 255, 157) }
```

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

```
.background{ background-color: rgb(215,  
255, 157) }
```

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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