

Converting Colors

$Yxy(85.7151, 0.3448, 0.4597)$

Have a look what the booklet for
Yxy(85.7151, 0.3448, 0.4597)
contains.

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Color

Yxy(85.7151, 0.3448, 0.4597)

Conversions

Conversions Part 1

Format	Color
Hex	C9FF88
RGB	201, 255, 136
RGB Percent	79%, 100%, 53%
CMY	0.2118, 0.0000, 0.4666
CMYK	0.21, 0.00, 0.47, 0.00
HSL	87°, 100%, 77%
HSV	87°, 47%, 100%
XYZ	64.2910, 85.7151, 36.4527
YIQ	225.2880, 6.0150, -48.4570

Conversions

Conversions Part 2

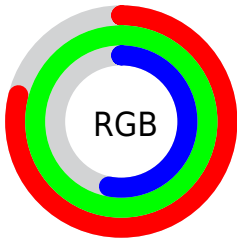
Format	Color
RYB	136, 255, 190
Decimal	13238152
CIELab	94.19, -36.05, 51.11
CIElCh	94, 62.545, 125.197
Yxy	85.7151, 0.3448, 0.4597
Android (android.graphics.Color)	4291428232 (0xFFC9FF88)
YUV	225.2880, -44.0190, -21.3006
Hunter-Lab	92.5824, -38.0655, 41.4633

Details

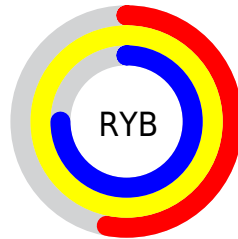
The Yxy color **85.7151, 0.3448, 0.4597** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **35.7818, 0.2630, 0.1957**, and the grayscale version is **75.8322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5416, 0.3508, 0.3919**, and **47.0324, 0.3484, 0.4901** is the 20% darker color. If you saturate the color by 10%, you get **83.5298, 0.3489, 0.4882**, and if you desaturate by 10%, it is **88.1932, 0.3392, 0.4301**.

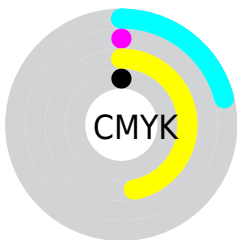
Distribution



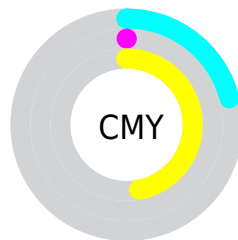
- Red (79%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (75%)



- Cyan (21%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.7151, 0.3448, 0.4597 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 85.7151, 0.3448, 0.4597 by changing the saturation by 10% instead.


 85.7151, 0.3448,
0.4597

 85.7151, 0.3448,
0.4597


513.9913, 0.3332,
0.3985

 64.4324, 0.3465,
0.4735

 141.3718, 0.3415,
0.4385

 47.0010, 0.3481,
0.4904

 176.5147, 0.3400,
0.4303

 33.0364, 0.3492,
0.5113


 217.0464, 0.3387,
0.4231

 22.1544, 0.3493,
0.5378

263.3513, 0.3374,
0.4169

 13.9704, 0.3469,
0.5717

315.8139, 0.3362,
0.4115

 8.1001, 0.3400,
0.6181


374.8185, 0.3351,


 4.1590, 0.3207,


0.4066


0.6793


440.7495, 0.3341,
0.4023


 1.7629, 0.2580,
0.7420


 0.4639, 0.0000,
1.0000


 85.7151, 0.3448,
0.4597

 85.7151, 0.3448,
0.4597


 83.5298, 0.3489,
0.4882

 88.1932, 0.3392,
0.4301


 81.6231, 0.3510,
0.5141

 90.9786, 0.3325,
0.4006

 79.9778, 0.3508,
0.5360

 94.0839, 0.3253,
0.3722

 78.5745, 0.3483,
0.5527

 97.5209, 0.3177,
0.3456

■ 77.3896, 0.3436,
0.5639

100.0000, 0.3127,
0.3290

■ 77.0316, 0.3418,
0.5668

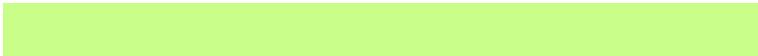
Harmonies

Analogous

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



85.7151, 0.4079, 0.4449



85.7151, 0.3448, 0.4597



85.7151, 0.2765, 0.4263

Triad

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



85.7151, 0.3448, 0.4597



85.7151, 0.1914, 0.2388



85.7151, 0.4082, 0.2967

Complementary

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



85.7151, 0.3448, 0.4597



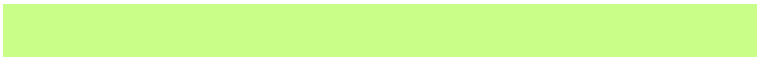
35.7818, 0.2630, 0.1957

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.



85.7151, 0.3386, 0.2539



85.7151, 0.3448, 0.4597



85.7151, 0.2172, 0.2205

Square

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



85.7151, 0.3448, 0.4597



85.7151, 0.1925, 0.2850



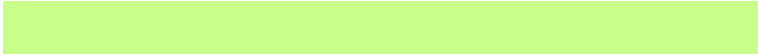
85.7151, 0.2685, 0.2268



85.7151, 0.4499, 0.3483

Rectangle

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



85.7151, 0.3448, 0.4597



85.7151, 0.2375, 0.3810



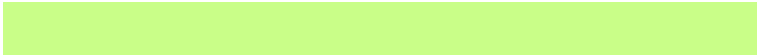
85.7151, 0.2685, 0.2268



85.7151, 0.3868, 0.2811

Sweetspot

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



85.7148, 0.3448, 0.4597



94.9656, 0.3233, 0.3650



59.6736, 0.4126, 0.3847



20.1731, 0.3249, 0.3709



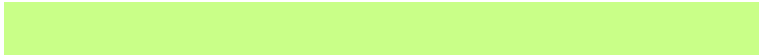
0.0000, 0.0000, 0.0000



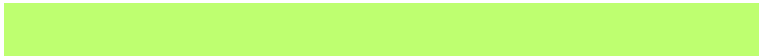
21.4041, 0.3127, 0.3290

Same Dimension

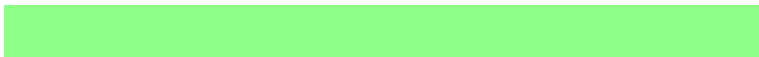
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.7148, 0.3448, 0.4597



83.6655, 0.3487, 0.4864



79.0455, 0.3089, 0.4755



20.6569, 0.3199, 0.3530



40.3406, 0.3429, 0.5659



3.9928, 0.3511, 0.5594

Inverse Universe

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



35.7818, 0.2630, 0.1957



28.2012, 0.2499, 0.1678



44.9813, 0.3129, 0.2134



17.7815, 0.3050, 0.3049



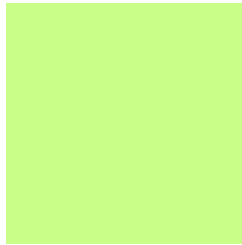
5.7894, 0.1934, 0.0839



0.6276, 0.2060, 0.0908

Previews

White Background



This preview shows how the Yxy color 85.7151, 0.3448, 0.4597 looks on a white background.

Color Contrast Check

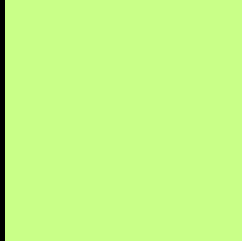
Large Text (above 18pt) WCAG AA × Fail

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 85.7151, 0.3448, 0.4597 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

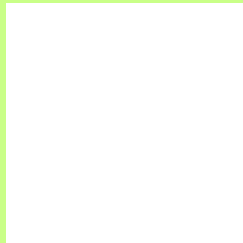
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.7151, 0.3448, 0.4597

Background



This preview shows how black text looks on a background with the Yxy color 85.7151, 0.3448, 0.4597.

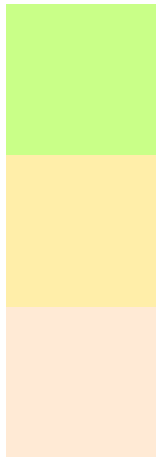


This preview shows how white text looks on a background with the Yxy color 85.7151, 0.3448, 0.4597.

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

85.7151, 0.3448, 0.4597

Protanopia

85.2736, 0.3689, 0.3983

Deuteranopia

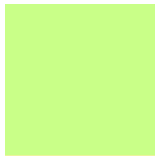
84.9097, 0.3408, 0.3500



Tritanopia

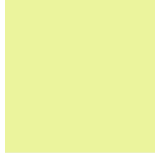
85.2282, 0.2931, 0.3136

Trichromacy



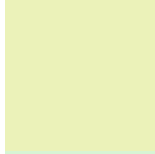
Original Color

85.7151, 0.3448, 0.4597



Protanomaly

84.7979, 0.3600, 0.4199



Deuteranomaly

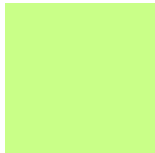
84.6692, 0.3434, 0.3889



Tritanomaly

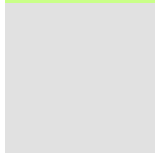
84.5054, 0.3130, 0.3645

Monochromacy



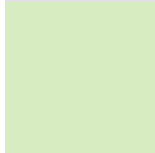
Original Color

85.7151, 0.3448, 0.4597



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.4401, 0.3260, 0.3764

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.7151, 0.3448, 0.4597 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(201, 255, 136)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 136)  
}
```

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(201, 255, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 136) }
```

Border

The CSS property to change the border of an element to Yxy 85.7151, 0.3448, 0.4597 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(201, 255, 136) }
```

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

```
.border{ border-color:rgb(201, 255, 136) }
```

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

Here you see how a box with a 4 pixel rgb(201, 255, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 136);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 85.7151, 0.3448, 0.4597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 136) }
```

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

```
.background{ background-color: rgb(201,  
255, 136) }
```

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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