

Converting Colors

$Y_{xy}(130.9368, 0.3382, 0.4934)$

Have a look what the booklet for
Yxy(130.9368, 0.3382, 0.4934)
contains.

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Color

Yxy(87.6511, 0.3525, 0.4539)

Conversions

Conversions Part 1

Format	Color
Hex	D6FF8A
RGB	214, 255, 138
RGB Percent	84%, 100%, 54%
CMY	0.1610, 0.0000, 0.4587
CMYK	0.16, 0.00, 0.46, 0.00
HSL	81°, 100%, 77%
HSV	81°, 46%, 100%
XYZ	68.0701, 87.6511, 37.3854
YIQ	229.4030, 13.1210, -45.0790

Conversions

Conversions Part 2

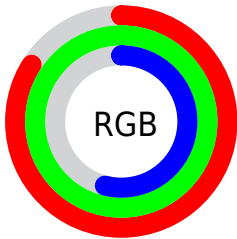
Format	Color
RYB	138, 255, 179
Decimal	14090122
CIELab	95.01, -31.16, 51.35
CIELCh	95, 60.070, 121.250
Yxy	87.6511, 0.3525, 0.4539
Android (android.graphics.Color)	4292280202 (0xFFD6FF8A)
YUV	229.4030, -45.0617, -13.5084
Hunter-Lab	93.6222, -34.0564, 41.8597

Details

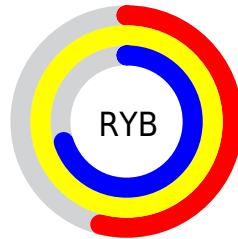
The Yxy color **87.6511, 0.3525, 0.4539** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **34.9984, 0.2546, 0.1948**, and the grayscale version is **78.9889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6303, 0.3496, 0.3900**, and **48.2121, 0.3575, 0.4823** is the 20% darker color. If you saturate the color by 10%, you get **85.6813, 0.3585, 0.4807**, and if you desaturate by 10%, it is **89.8556, 0.3450, 0.4257**.

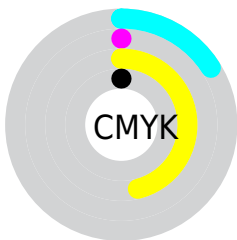
Distribution



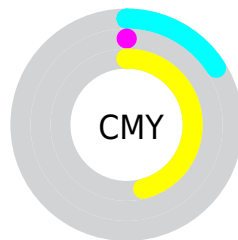
- Red (84%)
- Green (100%)
- Blue (54%)



- Red (54%)
- Yellow (100%)
- Blue (70%)



- Cyan (16%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6511, 0.3525, 0.4539 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 87.6511, 0.3525, 0.4539 by changing the saturation by 10% instead.


 87.6511, 0.3525,
0.4539

 87.6511, 0.3525,
0.4539

520.3600, 0.3373,
0.3961


 66.0342, 0.3550,
0.4668


 144.0713, 0.3480,
0.4341

 48.3001, 0.3577,
0.4824


 179.6434, 0.3460,
0.4263

 34.0646, 0.3602,
0.5017


 220.6359, 0.3442,
0.4195

 22.9433, 0.3621,
0.5258

267.4334, 0.3425,
0.4136

 14.5516, 0.3623,
0.5565

320.4201, 0.3410,
0.4085

 8.5053, 0.3588,
0.5970

379.9805, 0.3397,

 4.4199, 0.3469,

0.4039

446.4990, 0.3384,
0.3998

0.6531

1.9111, 0.3000,
0.7000

0.5551, 0.0000,
1.0000

87.6511, 0.3525,
0.4539

87.6511, 0.3525,
0.4539

85.6813, 0.3585,
0.4807

89.8556, 0.3450,
0.4257

83.9517, 0.3624,
0.5049

92.3260, 0.3364,
0.3973

82.4408, 0.3640,
0.5252

95.0674, 0.3274,
0.3697

81.1312, 0.3630,
0.5406

98.0902, 0.3181,
0.3435

■ 80.0012, 0.3596,
0.5509

100.0000, 0.3127,
0.3290

■ 79.5745, 0.3578,
0.5541

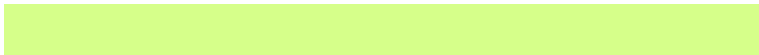
Harmonies

Analogous

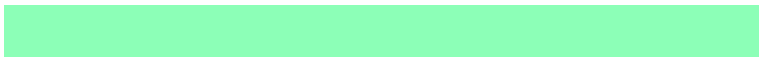
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6511, 0.4108, 0.4358



87.6511, 0.3525, 0.4539



87.6511, 0.2867, 0.4280

Triad

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



87.6511, 0.3525, 0.4539



87.6511, 0.1949, 0.2472



87.6511, 0.3960, 0.2922

Complementary

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



87.6511, 0.3525, 0.4539



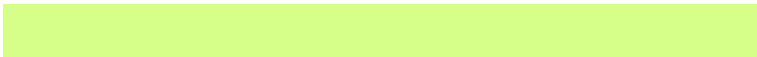
34.9984, 0.2546, 0.1948

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.



87.6511, 0.3283, 0.2525



87.6511, 0.3525, 0.4539



87.6511, 0.2165, 0.2259

Square

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



87.6511, 0.3525, 0.4539



87.6511, 0.1996, 0.2952



87.6511, 0.2628, 0.2288



87.6511, 0.4405, 0.3414

Rectangle

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



87.6511, 0.3525, 0.4539



87.6511, 0.2477, 0.3878



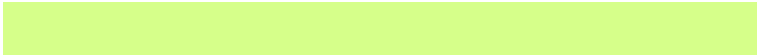
87.6511, 0.2628, 0.2288



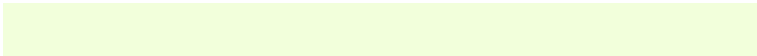
87.6511, 0.3748, 0.2776

Sweetspot

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



87.6447, 0.3525, 0.4539



95.6111, 0.3256, 0.3647



55.3237, 0.4165, 0.3720



20.3307, 0.3276, 0.3705



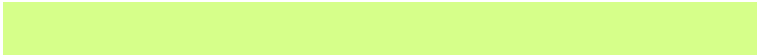
0.0000, 0.0000, 0.0000



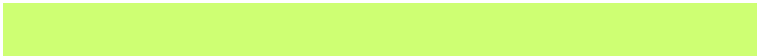
21.4041, 0.3127, 0.3290

Same Dimension

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



87.6447, 0.3525, 0.4539



85.8427, 0.3580, 0.4785



80.3814, 0.3155, 0.4698



20.7531, 0.3215, 0.3529



41.6659, 0.3588, 0.5533



4.1179, 0.3657, 0.5478

Inverse Universe

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



34.9984, 0.2546, 0.1948



27.3136, 0.2397, 0.1660



43.4883, 0.3029, 0.2117



17.6877, 0.3034, 0.3048



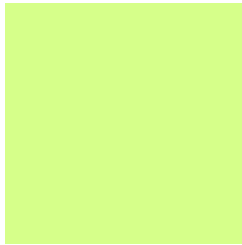
4.9700, 0.1768, 0.0747



0.5422, 0.1891, 0.0815

Previews

White Background



This preview shows how the Yxy color 87.6511, 0.3525, 0.4539 looks on a white background.

Color Contrast Check

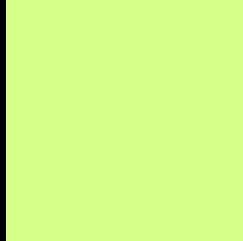
Large Text (above 18pt) WCAG AA × Fail

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 87.6511, 0.3525, 0.4539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

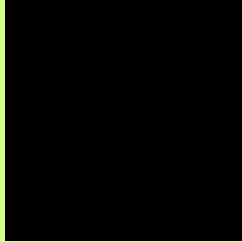
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.6511, 0.3525, 0.4539

Background



This preview shows how black text looks on a background with the Yxy color 87.6511, 0.3525, 0.4539.

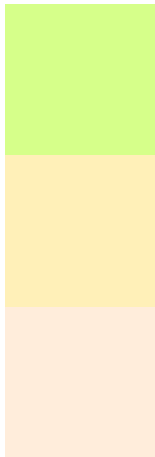


This preview shows how white text looks on a background with the Yxy color 87.6511, 0.3525, 0.4539.

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

87.6511, 0.3525, 0.4539

Protanopia

87.0409, 0.3587, 0.3852

Deuteranopia

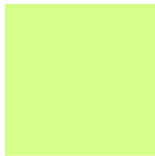
86.9428, 0.3364, 0.3469



Tritanopia

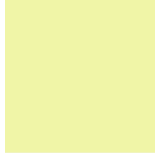
87.4542, 0.2993, 0.3150

Trichromacy



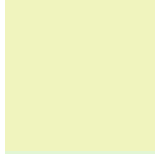
Original Color

87.6511, 0.3525, 0.4539



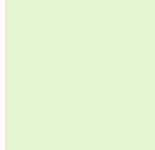
Protanomaly

86.6201, 0.3573, 0.4096



Deuteranomaly

86.9443, 0.3434, 0.3848



Tritanomaly

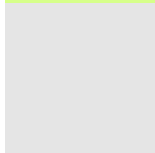
86.8338, 0.3201, 0.3647

Monochromacy



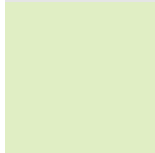
Original Color

87.6511, 0.3525, 0.4539



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.9819, 0.3294, 0.3743

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6511, 0.3525, 0.4539 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(214, 255, 138)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 138)  
}
```

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(214, 255, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 138) }
```

Border

The CSS property to change the border of an element to Yxy 87.6511, 0.3525, 0.4539 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(214, 255, 138) }
```

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

```
.border{ border-color:rgb(214, 255, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 255, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 138);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6511, 0.3525, 0.4539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 138) }
```

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

```
.background{ background-color: rgb(214,  
255, 138) }
```

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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