

Converting Colors

$Yxy(87.0155, 0.3432, 0.4456)$

Have a look what the booklet for
Yxy(87.0155, 0.3432, 0.4456)
contains.

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Color

Yxy(87.0680, 0.3434, 0.4454)

Conversions

Conversions Part 1

Format	Color
Hex	D0FF94
RGB	208, 255, 148
RGB Percent	82%, 100%, 58%
CMY	0.1841, 0.0000, 0.4196
CMYK	0.18, 0.00, 0.42, 0.00
HSL	86°, 100%, 79%
HSV	86°, 42%, 100%
XYZ	67.1288, 87.0680, 41.2859
YIQ	228.7490, 6.3350, -43.2410

Conversions

Conversions Part 2

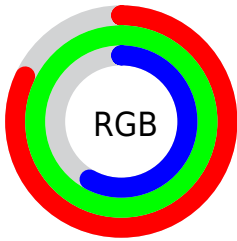
Format	Color
RYB	148, 255, 195
Decimal	13696916
CIELab	94.77, -32.17, 46.22
CIELCh	95, 56.313, 124.840
Yxy	87.0680, 0.3434, 0.4454
Android (android.graphics.Color)	4291886996 (0xFFD0FF94)
YUV	228.7490, -39.8093, -18.1969
Hunter-Lab	93.3102, -34.8774, 39.0838

Details

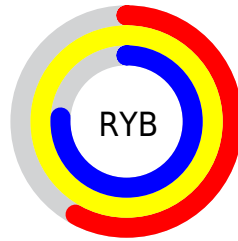
The Yxy color **87.0680, 0.3434, 0.4454** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **39.9964, 0.2680, 0.2097**, and the grayscale version is **78.4642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0918, 0.3436, 0.3800**, and **47.8898, 0.3475, 0.4727** is the 20% darker color. If you saturate the color by 10%, you get **84.7858, 0.3485, 0.4744**, and if you desaturate by 10%, it is **89.6501, 0.3370, 0.4159**.

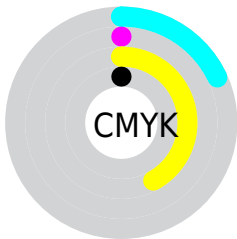
Distribution



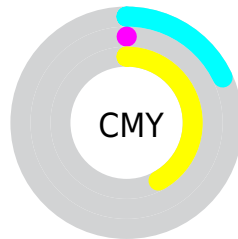
- Red (82%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (76%)



- Cyan (18%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.0680, 0.3434, 0.4454 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 87.0680, 0.3434, 0.4454 by changing the saturation by 10% instead.


 87.0680, 0.3434,
0.4454


 87.0680, 0.3434,
0.4454

518.4463, 0.3318,
0.3911

 65.5515, 0.3453,
0.4577

 143.2589, 0.3400,
0.4266

 47.9084, 0.3473,
0.4727


 178.7021, 0.3384,
0.4193

 33.7543, 0.3491,
0.4913


219.5563, 0.3371,
0.4130

 22.7049, 0.3504,
0.5151

266.2059, 0.3358,
0.4075

 14.3758, 0.3503,
0.5460

319.0353, 0.3347,
0.4026

 8.3825, 0.3461,
0.5867


378.4289, 0.3336,


 4.3407, 0.3413,


0.3984


0.6587


444.7711, 0.3327,
0.3946


 1.8659, 0.2917,
0.7083

 0.5277, 0.0000,
1.0000


 87.0680, 0.3434,
0.4454


 87.0680, 0.3434,
0.4454

 84.7858, 0.3485,
0.4744


 89.6501, 0.3370,
0.4159


 82.7778, 0.3518,
0.5014

 92.5337, 0.3297,
0.3870

 81.0324, 0.3530,
0.5251

 95.7347, 0.3220,
0.3594

 79.5316, 0.3517,
0.5441

 99.2643, 0.3142,
0.3338

■ 78.2546, 0.3482,
0.5577

99.9960, 0.3127,
0.3290

■ 77.3658, 0.3440,
0.5650

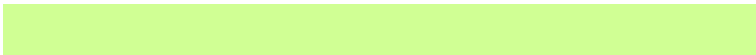
Harmonies

Analogous

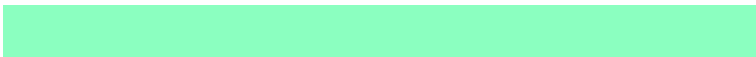
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0680, 0.4000, 0.4337



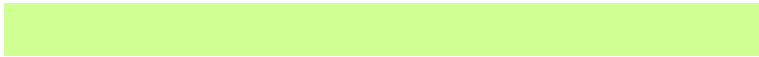
87.0680, 0.3434, 0.4454



87.0680, 0.2816, 0.4156

Triad

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



87.0680, 0.3434, 0.4454



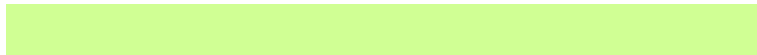
87.0680, 0.2022, 0.2482



87.0680, 0.3976, 0.2998

Complementary

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



87.0680, 0.3434, 0.4454



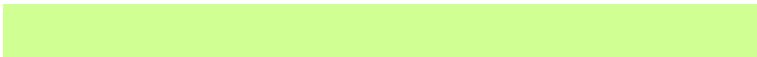
39.9964, 0.2680, 0.2097

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.



87.0680, 0.3355, 0.2604



87.0680, 0.3434, 0.4454



87.0680, 0.2257, 0.2306

Square

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



87.0680, 0.3434, 0.4454



87.0680, 0.2037, 0.2909



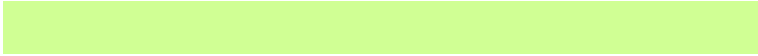
87.0680, 0.2725, 0.2357



87.0680, 0.4354, 0.3472

Rectangle

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



87.0680, 0.3434, 0.4454



87.0680, 0.2458, 0.3763



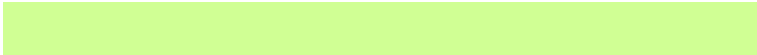
87.0680, 0.2725, 0.2357



87.0680, 0.3785, 0.2854

Sweetspot

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



87.0718, 0.3434, 0.4454



95.3909, 0.3228, 0.3622



62.1444, 0.4006, 0.3775



20.2620, 0.3245, 0.3682



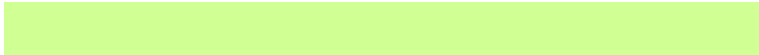
0.0000, 0.0000, 0.0000



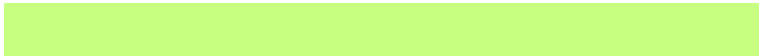
21.4041, 0.3127, 0.3290

Same Dimension

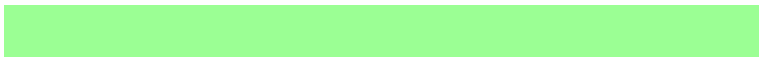
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0718, 0.3434, 0.4454



85.2155, 0.3476, 0.4688



80.6366, 0.3105, 0.4582



20.6710, 0.3201, 0.3530



40.5175, 0.3452, 0.5641



4.0098, 0.3532, 0.5578

Inverse Universe

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



39.9964, 0.2680, 0.2097



32.6497, 0.2569, 0.1850



48.3324, 0.3116, 0.2237



17.7676, 0.3048, 0.3049



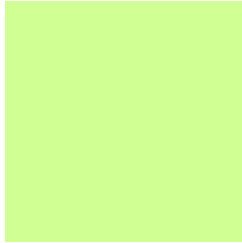
5.6534, 0.1908, 0.0824



0.6138, 0.2033, 0.0894

Previews

White Background



This preview shows how the Yxy color 87.0680, 0.3434, 0.4454 looks on a white background.

Color Contrast Check

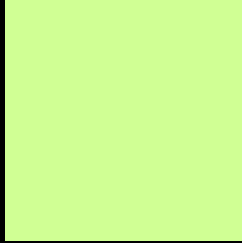
Large Text (above 18pt) WCAG AA × Fail

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 87.0680, 0.3434, 0.4454 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 87.0680, 0.3434, 0.4454

Background



This preview shows how black text looks on a background with the Yxy color 87.0680, 0.3434, 0.4454.

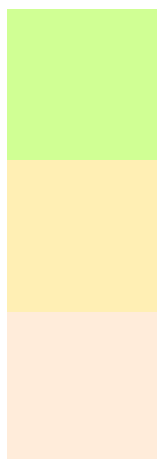


This preview shows how white text looks on a background with the Yxy color 87.0680, 0.3434, 0.4454.

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

87.0680, 0.3434, 0.4454

Protanopia

86.2883, 0.3615, 0.3883

Deuteranopia

86.3129, 0.3372, 0.3470



Tritanopia

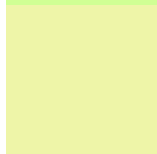
86.6246, 0.2962, 0.3148

Trichromacy



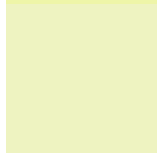
Original Color

87.0680, 0.3434, 0.4454



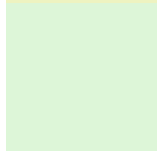
Protanomaly

86.3091, 0.3553, 0.4090



Deuteranomaly

86.1286, 0.3403, 0.3810



Tritanomaly

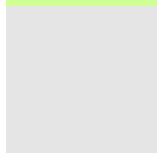
86.2416, 0.3144, 0.3608

Monochromacy



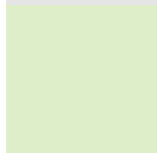
Original Color

87.0680, 0.3434, 0.4454



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.6914, 0.3249, 0.3702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.0680, 0.3434, 0.4454 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(208, 255, 148)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 148)  
}
```

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(208, 255, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 148) }
```

Border

The CSS property to change the border of an element to Yxy 87.0680, 0.3434, 0.4454 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(208, 255, 148) }
```

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

```
.border{ border-color:rgb(208, 255, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 255, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 148);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0680, 0.3434, 0.4454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 255, 148) }
```

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

```
.background{ background-color: rgb(208,  
255, 148) }
```

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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