

Converting Colors

$Yxy(87.9080, 0.3599, 0.4624)$

Have a look what the booklet for
Yxy(87.9080, 0.3599, 0.4624)
contains.

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Color

Yxy(87.9839, 0.3602, 0.4622)

Conversions

Conversions Part 1

Format	Color
Hex	DAFF80
RGB	218, 255, 128
RGB Percent	85%, 100%, 50%
CMY	0.1452, 0.0000, 0.4978
CMYK	0.15, 0.00, 0.50, 0.00
HSL	77°, 100%, 75%
HSV	77°, 50%, 100%
XYZ	68.5673, 87.9839, 33.8077
YIQ	229.4590, 18.7150, -47.3410

Conversions

Conversions Part 2

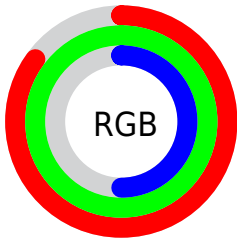
Format	Color
RYB	128, 255, 165
Decimal	14352256
CIELab	95.15, -30.68, 56.21
CIELCh	95, 64.043, 118.625
Yxy	87.9839, 0.3602, 0.4622
Android (android.graphics.Color)	4292542336 (0xFFDAFF80)
YUV	229.4590, -50.0193, -10.0495
Hunter-Lab	93.7997, -33.6666, 44.2902

Details

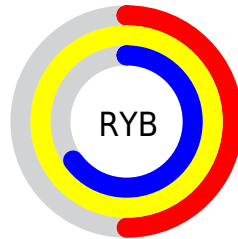
The Yxy color **87.9839, 0.3602, 0.4622** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **30.6795, 0.2425, 0.1801**, and the grayscale version is **79.0745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1989, 0.3556, 0.3998**, and **48.4596, 0.3667, 0.4919** is the 20% darker color. If you saturate the color by 10%, you get **86.2714, 0.3665, 0.4870**, and if you desaturate by 10%, it is **89.9124, 0.3522, 0.4353**.

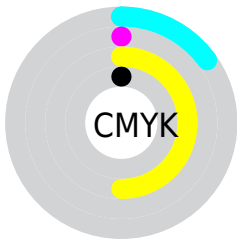
Distribution



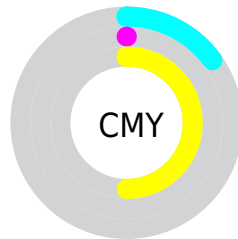
- Red (85%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (65%)



- Cyan (15%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.9839, 0.3602, 0.4622 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 87.9839, 0.3602, 0.4622 by changing the saturation by 10% instead.


 87.9839, 0.3602,
0.4622


 87.9839, 0.3602,
0.4622


521.4505, 0.3421,
0.4010


 66.3097, 0.3632,
0.4756


 144.5347, 0.3548,
0.4413

 48.5239, 0.3663,
0.4918


 180.1802, 0.3525,
0.4331

 34.2419, 0.3692,
0.5116

 221.2516, 0.3503,
0.4259

 23.0795, 0.3713,
0.5359

268.1332, 0.3484,
0.4197

 14.6522, 0.3712,
0.5661

321.2095, 0.3466,
0.4142

 8.5757, 0.3692,
0.6089


380.8649, 0.3450,


 4.4655, 0.3497,


0.4093


0.6503


447.4838, 0.3435,
0.4049


 1.9372, 0.3039,
0.6961

 0.5706, 0.0000,
1.0000


 87.9839, 0.3602,
0.4622


 87.9839, 0.3602,
0.4622

 86.2714, 0.3665,
0.4870


 89.9124, 0.3522,
0.4353


 84.7677, 0.3706,
0.5086

 92.0754, 0.3429,
0.4076

 83.4551, 0.3721,
0.5259

 94.4819, 0.3329,
0.3801

 82.3155, 0.3710,
0.5382

 97.1423, 0.3227,
0.3535

■ 81.3200, 0.3678,
0.5461

100.0000, 0.3127,
0.3290

■ 81.2994, 0.3677,
0.5462

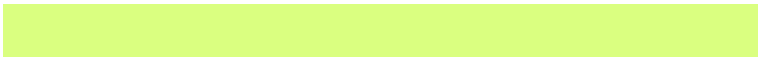
Harmonies

Analogous

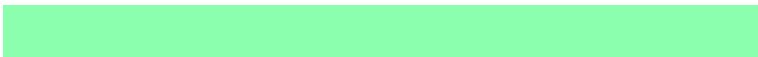
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9839, 0.4207, 0.4384



87.9839, 0.3602, 0.4622



87.9839, 0.2905, 0.4397

Triad

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



87.9839, 0.3602, 0.4622



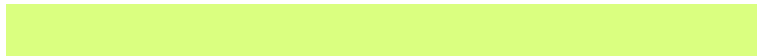
87.9839, 0.1877, 0.2452



87.9839, 0.3956, 0.2857

Complementary

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



87.9839, 0.3602, 0.4622



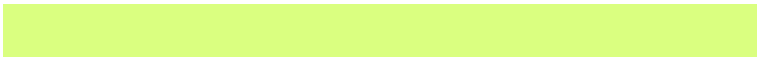
30.6795, 0.2425, 0.1801

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.



87.9839, 0.3225, 0.2453



87.9839, 0.3602, 0.4622



87.9839, 0.2080, 0.2209

Square

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



87.9839, 0.3602, 0.4622



87.9839, 0.1949, 0.2982



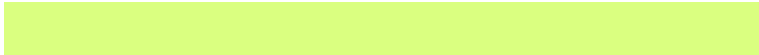
87.9839, 0.2544, 0.2222



87.9839, 0.4463, 0.3366

Rectangle

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



87.9839, 0.3602, 0.4622



87.9839, 0.2484, 0.3982



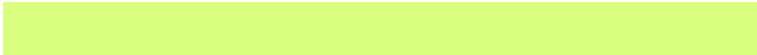
87.9839, 0.2544, 0.2222



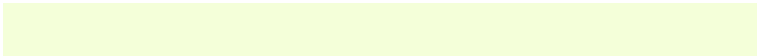
87.9839, 0.3723, 0.2707

Sweetspot

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



87.9818, 0.3602, 0.4622



95.7221, 0.3280, 0.3672



49.3784, 0.4337, 0.3666



20.3699, 0.3302, 0.3728



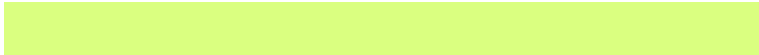
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



87.9818, 0.3602, 0.4622



86.2367, 0.3666, 0.4875



80.1038, 0.3201, 0.4812



20.8091, 0.3224, 0.3528



42.5611, 0.3686, 0.5456



4.2001, 0.3745, 0.5408

Inverse Universe

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



30.6795, 0.2425, 0.1801



22.8908, 0.2245, 0.1478



39.0836, 0.2942, 0.1996



17.6343, 0.3024, 0.3047



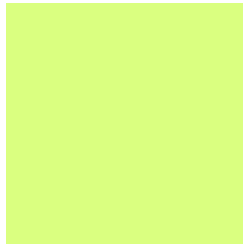
4.6069, 0.1690, 0.0704



0.5017, 0.1806, 0.0768

Previews

White Background



This preview shows how the Yxy color 87.9839, 0.3602, 0.4622 looks on a white background.

Color Contrast Check

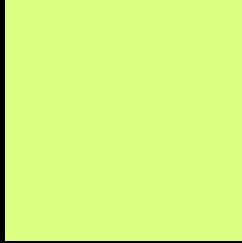
Large Text (above 18pt) WCAG AA × Fail

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 87.9839, 0.3602, 0.4622 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

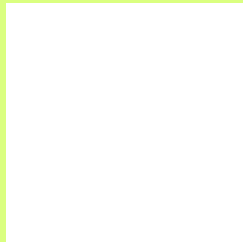
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.9839, 0.3602, 0.4622

Background



This preview shows how black text looks on a background with the Yxy color 87.9839, 0.3602, 0.4622.

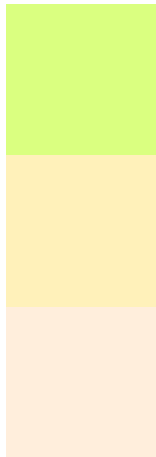


This preview shows how white text looks on a background with the Yxy color 87.9839, 0.3602, 0.4622.

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

87.9839, 0.3602, 0.4622

Protanopia

87.7158, 0.3571, 0.3841

Deuteranopia

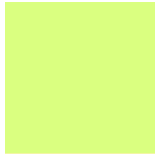
87.5764, 0.3356, 0.3469



Tritanopia

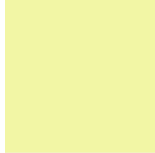
87.3730, 0.3012, 0.3140

Trichromacy



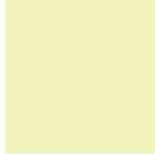
Original Color

87.9839, 0.3602, 0.4622



Protanomaly

87.5054, 0.3596, 0.4121



Deuteranomaly

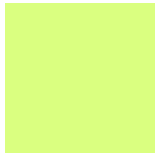
87.1665, 0.3466, 0.3877



Tritanomaly

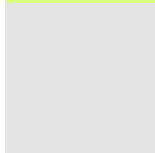
86.5663, 0.3240, 0.3667

Monochromacy



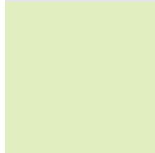
Original Color

87.9839, 0.3602, 0.4622



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.9624, 0.3327, 0.3786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9839, 0.3602, 0.4622 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(218, 255, 128)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 128)  
}
```

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(218, 255, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 128) }
```

Border

The CSS property to change the border of an element to Yxy 87.9839, 0.3602, 0.4622 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(218, 255, 128) }
```

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

```
.border{ border-color:rgb(218, 255, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 255, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 128);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9839, 0.3602, 0.4622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 128) }
```

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

```
.background{ background-color: rgb(218,  
255, 128) }
```

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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