

Converting Colors

$Yxy(86.7726, 0.3530, 0.4487)$

Have a look what the booklet for
Yxy(86.7726, 0.3530, 0.4487)
contains.

Yxy(86.7726, 0.3530, 0.4487)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.7726, 0.3530, 0.4487)

Conversions

Conversions Part 1

Format	Color
Hex	D8FD8D
RGB	216, 253, 141
RGB Percent	85%, 99%, 55%
CMY	0.1527, 0.0079, 0.4471
CMYK	0.15, 0.00, 0.44, 0.01
HSL	80°, 97%, 77%
HSV	80°, 44%, 99%
XYZ	68.2655, 86.7726, 38.3486
YIQ	229.1690, 13.9000, -42.6760

Conversions

Conversions Part 2

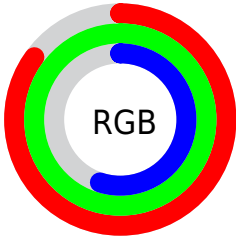
Format	Color
RYB	141, 253, 178
Decimal	14220685
CIELab	94.64, -29.13, 49.52
CIELCh	95, 57.454, 120.467
Yxy	86.7726, 0.3530, 0.4487
Android (android.graphics.Color)	4292410765 (0xFFD8FD8D)
YUV	229.1690, -43.4673, -11.5492
Hunter-Lab	93.1518, -32.2035, 40.7979

Details

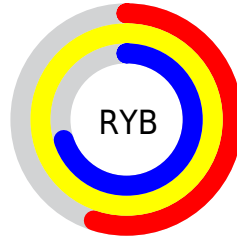
The Yxy color **86.7726, 0.3530, 0.4487** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **35.5971, 0.2553, 0.1993**, and the grayscale version is **78.8138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7655, 0.3478, 0.3870**, and **47.5554, 0.3584, 0.4761** is the 20% darker color. If you saturate the color by 10%, you get **84.8683, 0.3596, 0.4755**, and if you desaturate by 10%, it is **88.9211, 0.3449, 0.4207**.

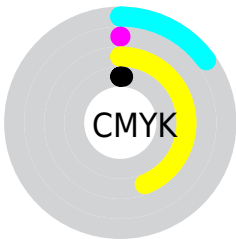
Distribution



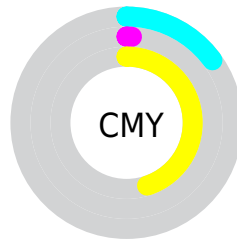
- Red (85%)
- Green (99%)
- Blue (55%)



- Red (55%)
- Yellow (99%)
- Blue (70%)



- Cyan (15%)
- Magenta (0%)
- Yellow (44%)
- Black (1%)



- Cyan (15%)
- Magenta (1%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.7726, 0.3530, 0.4487 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 86.7726, 0.3530, 0.4487 by changing the saturation by 10% instead.


 86.7726, 0.3530,
0.4487


 86.7726, 0.3530,
0.4487

517.4753, 0.3373,
0.3933

 65.3070, 0.3557,
0.4611


 142.8471, 0.3482,
0.4297

 47.7101, 0.3587,
0.4761


 178.2249, 0.3462,
0.4222

 33.5974, 0.3616,
0.4947


219.0089, 0.3443,
0.4157

 22.5845, 0.3641,
0.5180

265.5834, 0.3426,
0.4101

 14.2870, 0.3652,
0.5478

318.3329, 0.3411,
0.4051

 8.3205, 0.3629,
0.5868


377.6418, 0.3397,


 4.3007, 0.3552,

0.4007

0.6448


443.8945, 0.3385,
0.3968


 1.8432, 0.3104,
0.6896


 0.5139, 0.0000,
1.0000


 86.7726, 0.3530,
0.4487

 86.7726, 0.3530,
0.4487

 84.8683, 0.3596,
0.4755


 88.9211, 0.3449,
0.4207

 83.1839, 0.3643,
0.4998

 91.3139, 0.3359,
0.3926

 81.7088, 0.3666,
0.5203

 93.9657, 0.3264,
0.3654

 80.4266, 0.3664,
0.5362

 96.8865, 0.3168,
0.3395

■ 79.3172, 0.3637,
0.5469

98.7248, 0.3128,
0.3271

■ 78.7431, 0.3613,
0.5513

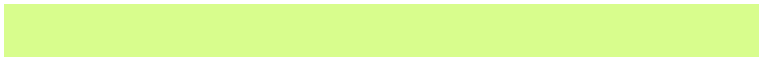
Harmonies

Analogous

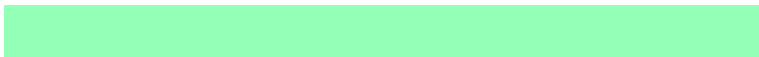
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7726, 0.4086, 0.4312



86.7726, 0.3530, 0.4487



86.7726, 0.2896, 0.4248

Triad

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



86.7726, 0.3530, 0.4487



86.7726, 0.1988, 0.2513



86.7726, 0.3912, 0.2926

Complementary

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



86.7726, 0.3530, 0.4487



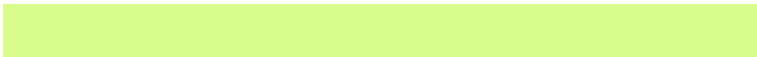
35.5971, 0.2553, 0.1993

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.



86.7726, 0.3261, 0.2544



86.7726, 0.3530, 0.4487



86.7726, 0.2190, 0.2298

Square

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



86.7726, 0.3530, 0.4487



86.7726, 0.2041, 0.2983



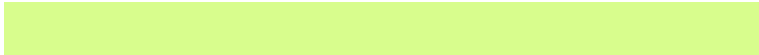
86.7726, 0.2634, 0.2319



86.7726, 0.4347, 0.3401

Rectangle

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



86.7726, 0.3530, 0.4487



86.7726, 0.2517, 0.3870



86.7726, 0.2634, 0.2319



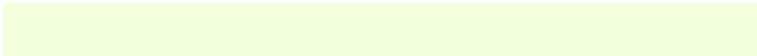
86.7726, 0.3707, 0.2785

Sweetspot

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



86.7764, 0.3530, 0.4487



96.0314, 0.3252, 0.3620



54.0367, 0.4134, 0.3666



20.4205, 0.3273, 0.3679



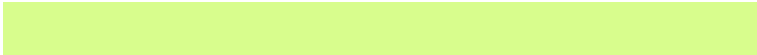
0.0000, 0.0000, 0.0000



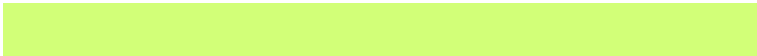
21.4041, 0.3127, 0.3290

Same Dimension

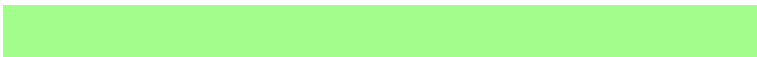
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7764, 0.3530, 0.4487



86.6381, 0.3589, 0.4723



79.8003, 0.3178, 0.4633



20.7731, 0.3218, 0.3528



41.9745, 0.3622, 0.5506



4.1464, 0.3688, 0.5453

Inverse Universe

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



35.5971, 0.2553, 0.1993



28.5535, 0.2408, 0.1713



43.3735, 0.3002, 0.2146



17.6686, 0.3030, 0.3048



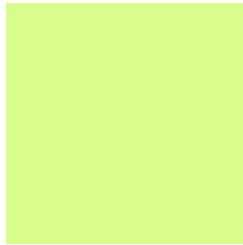
4.8314, 0.1738, 0.0731



0.5270, 0.1859, 0.0798

Previews

White Background



This preview shows how the Yxy color 86.7726, 0.3530, 0.4487 looks on a white background.

Color Contrast Check

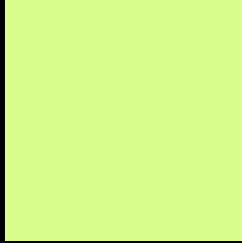
Large Text (above 18pt) WCAG AA × Fail

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 86.7726, 0.3530, 0.4487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

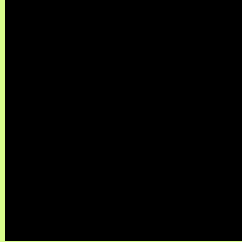
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

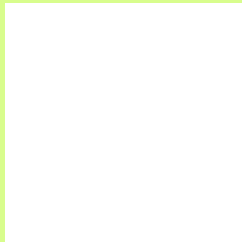
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.7726, 0.3530, 0.4487

Background



This preview shows how black text looks on a background with the Yxy color 86.7726, 0.3530, 0.4487.

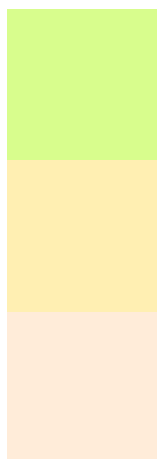


This preview shows how white text looks on a background with the Yxy color 86.7726, 0.3530, 0.4487.

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

86.7726, 0.3530, 0.4487

Protanopia

86.2074, 0.3628, 0.3903

Deuteranopia

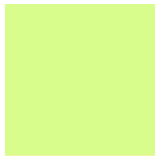
86.2607, 0.3379, 0.3480



Tritanopia

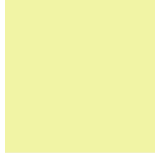
86.2766, 0.2993, 0.3129

Trichromacy



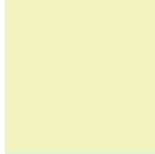
Original Color

86.7726, 0.3530, 0.4487



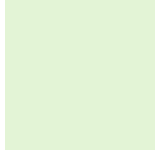
Protanomaly

86.1188, 0.3595, 0.4105



Deuteranomaly

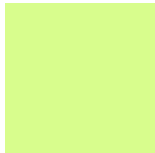
85.8792, 0.3451, 0.3838



Tritanomaly

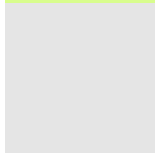
85.8873, 0.3197, 0.3605

Monochromacy



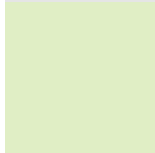
Original Color

86.7726, 0.3530, 0.4487



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

81.0276, 0.3288, 0.3732

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7726, 0.3530, 0.4487 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(216, 253, 141)` looks like.

```
.text, #text, p{  
    color:rgb(216, 253, 141)  
}
```

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(216, 253, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 253, 141) }
```

Border

The CSS property to change the border of an element to Yxy 86.7726, 0.3530, 0.4487 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(216, 253, 141) }
```

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

```
.border{ border-color:rgb(216, 253, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 253, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 253, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 253, 141);  
box-shadow:4px 4px 4px 4px rgb(216, 253,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7726, 0.3530, 0.4487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 253, 141) }
```

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

```
.background{ background-color: rgb(216,  
253, 141) }
```

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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