

Converting Colors

$Yxy(85.9603, 0.3403, 0.4358)$

Have a look what the booklet for
Yxy(85.9603, 0.3403, 0.4358)
contains.

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Color

Yxy(86.0270, 0.3401, 0.4363)

Conversions

Conversions Part 1

Format	Color
Hex	D0FD9B
RGB	208, 253, 155
RGB Percent	82%, 99%, 61%
CMY	0.1842, 0.0078, 0.3921
CMYK	0.18, 0.00, 0.39, 0.01
HSL	88°, 96%, 80%
HSV	88°, 39%, 99%
XYZ	67.0589, 86.0270, 44.0881
YIQ	228.3730, 4.6380, -40.0180

Conversions

Conversions Part 2

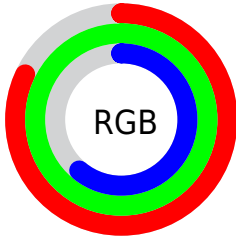
Format	Color
RYB	155, 253, 200
Decimal	13696411
CIELab	94.32, -30.42, 42.25
CIELCh	94, 52.060, 125.749
Yxy	86.0270, 0.3401, 0.4363
Android (android.graphics.Color)	4291886491 (0xFFD0FD9B)
YUV	228.3730, -36.1729, -17.8671
Hunter-Lab	92.7507, -33.2581, 36.7426

Details

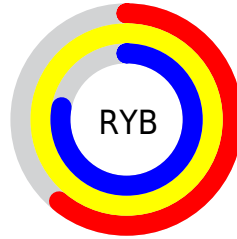
The Yxy color **86.0270, 0.3401, 0.4363** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **42.8207, 0.2739, 0.2202**, and the grayscale version is **78.1435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4331, 0.3394, 0.3731**, and **47.1146, 0.3439, 0.4618** is the 20% darker color. If you saturate the color by 10%, you get **83.6451, 0.3453, 0.4659**, and if you desaturate by 10%, it is **88.7178, 0.3337, 0.4067**.

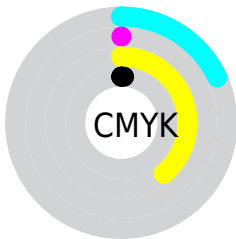
Distribution



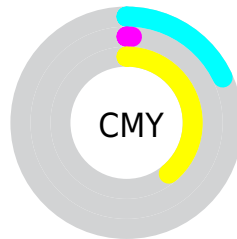
- Red (82%)
- Green (99%)
- Blue (61%)



- Red (61%)
- Yellow (99%)
- Blue (78%)



- Cyan (18%)
- Magenta (0%)
- Yellow (39%)
- Black (1%)




- Cyan (18%)
- Magenta (1%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.0270, 0.3401, 0.4363 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 86.0270, 0.3401, 0.4363 by changing the saturation by 10% instead.


 86.0270, 0.3401,
0.4363

 86.0270, 0.3401,
0.4363

515.0202, 0.3296,
0.3862

 64.6903, 0.3419,
0.4477


 141.8072, 0.3369,
0.4189

 47.2100, 0.3438,
0.4617


 177.0194, 0.3356,
0.4121

 33.2017, 0.3457,
0.4792


217.6257, 0.3343,
0.4063

 22.2810, 0.3472,
0.5017

264.0103, 0.3332,
0.4012

 14.0635, 0.3477,
0.5313

316.5576, 0.3322,
0.3968

 8.1649, 0.3450,
0.5711


375.6521, 0.3312,

 4.2006, 0.3480,


0.3928


0.6520


441.6782, 0.3304,
0.3893


 1.7864, 0.2998,
0.7002


 0.4787, 0.0000,
1.0000


 86.0270, 0.3401,
0.4363

 86.0270, 0.3401,
0.4363


 83.6451, 0.3453,
0.4659

 88.7178, 0.3337,
0.4067


 81.5470, 0.3490,
0.4940

 91.7191, 0.3266,
0.3780

 79.7212, 0.3506,
0.5193

 95.0464, 0.3192,
0.3509

 78.1508, 0.3498,
0.5403

 98.6323, 0.3125,
0.3271

■ 76.8160, 0.3468,
0.5560

98.7311, 0.3128,
0.3271

■ 75.6893, 0.3417,
0.5663

■ 75.5567, 0.3411,
0.5674

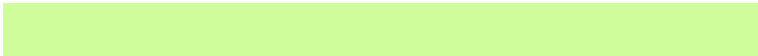
Harmonies

Analogous

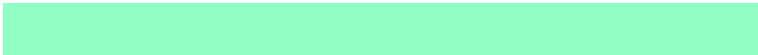
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0270, 0.3931, 0.4275



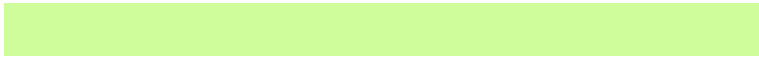
86.0270, 0.3401, 0.4363



86.0270, 0.2824, 0.4074

Triad

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



86.0270, 0.3401, 0.4363



86.0270, 0.2095, 0.2530



86.0270, 0.3930, 0.3032

Complementary

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



86.0270, 0.3401, 0.4363



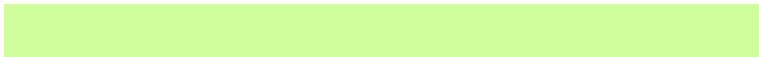
42.8207, 0.2739, 0.2202

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.



86.0270, 0.3360, 0.2657



86.0270, 0.3401, 0.4363



86.0270, 0.2325, 0.2367

Square

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



86.0270, 0.3401, 0.4363



86.0270, 0.2103, 0.2926



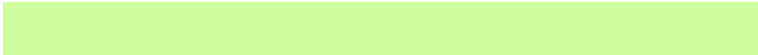
86.0270, 0.2770, 0.2420



86.0270, 0.4271, 0.3481

Rectangle

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



86.0270, 0.3401, 0.4363



86.0270, 0.2492, 0.3709



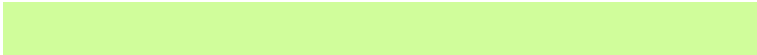
86.0270, 0.2770, 0.2420



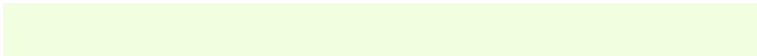
86.0270, 0.3756, 0.2896

Sweetspot

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



86.0308, 0.3401, 0.4363



95.6158, 0.3217, 0.3596



64.1479, 0.3913, 0.3754



20.3700, 0.3226, 0.3631



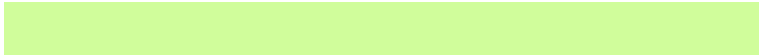
0.0000, 0.0000, 0.0000



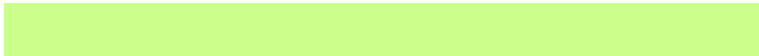
21.4041, 0.3127, 0.3290

Same Dimension

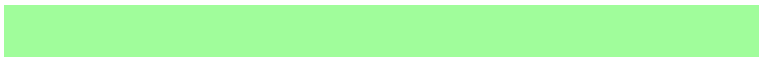
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.0308, 0.3401, 0.4363



85.7843, 0.3441, 0.4579



80.0834, 0.3099, 0.4470



20.6521, 0.3198, 0.3530



40.2809, 0.3422, 0.5665



3.9870, 0.3504, 0.5600

Inverse Universe

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



42.8207, 0.2739, 0.2202



36.4591, 0.2644, 0.1979



50.5161, 0.3131, 0.2319



17.7863, 0.3051, 0.3049



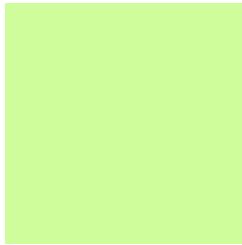
5.8377, 0.1944, 0.0844



0.6324, 0.2069, 0.0913

Previews

White Background



This preview shows how the Yxy color 86.0270, 0.3401, 0.4363 looks on a white background.

Color Contrast Check

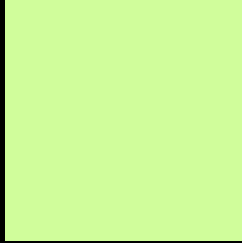
Large Text (above 18pt) WCAG AA × Fail

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 86.0270, 0.3401, 0.4363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

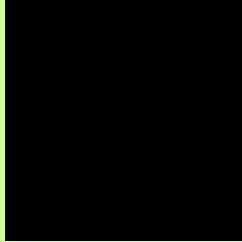
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

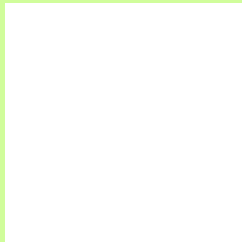
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.0270, 0.3401, 0.4363

Background



This preview shows how black text looks on a background with the Yxy color 86.0270, 0.3401, 0.4363.

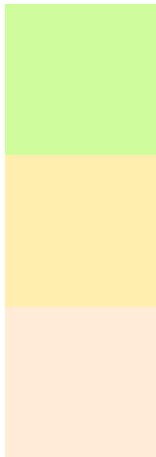


This preview shows how white text looks on a background with the Yxy color 86.0270, 0.3401, 0.4363.

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

86.0270, 0.3401, 0.4363

Protanopia

85.4651, 0.3657, 0.3934

Deuteranopia

85.6345, 0.3387, 0.3480



Tritanopia

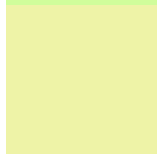
85.7089, 0.2949, 0.3137

Trichromacy



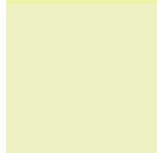
Original Color

86.0270, 0.3401, 0.4363



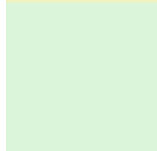
Protanomaly

85.0683, 0.3564, 0.4082



Deuteranomaly

85.5764, 0.3398, 0.3789



Tritanomaly

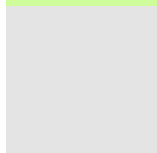
85.4794, 0.3114, 0.3566

Monochromacy



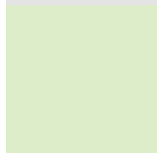
Original Color

86.0270, 0.3401, 0.4363



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.1576, 0.3243, 0.3680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.0270, 0.3401, 0.4363 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, 253, 155)` looks like.

```
.text, #text, p{  
    color:rgb(208, 253, 155)  
}
```

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, 253, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 253, 155) }
```

Border

The CSS property to change the border of an element to Yxy 86.0270, 0.3401, 0.4363 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, 253, 155) }
```

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

```
.border{ border-color:rgb(208, 253, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 253, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 253, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 253, 155);  
box-shadow:4px 4px 4px 4px rgb(208, 253,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 86.0270, 0.3401, 0.4363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 253, 155) }
```

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

```
.background{ background-color: rgb(208,  
253, 155) }
```

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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