

Converting Colors

Yxy(86.2196, 0.3525, 0.4665)

Have a look what the booklet for
Yxy(86.2196, 0.3525, 0.4665)
contains.

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Color

Yxy(86.1741, 0.3525, 0.4671)

Conversions

Conversions Part 1

Format	Color
Hex	CEFF7F
RGB	206, 255, 127
RGB Percent	81%, 100%, 50%
CMY	0.1924, 0.0000, 0.5020
CMYK	0.19, 0.00, 0.50, 0.00
HSL	83°, 100%, 75%
HSV	83°, 50%, 100%
XYZ	65.0318, 86.1741, 33.2815
YIQ	225.7570, 11.8840, -50.1960

Conversions

Conversions Part 2

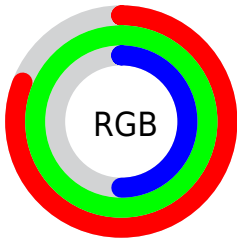
Format	Color
RYB	127, 255, 176
Decimal	13565823
CIELab	94.39, -35.22, 55.60
CIElCh	94, 65.813, 122.351
Yxy	86.1741, 0.3525, 0.4671
Android (android.graphics.Color)	4291755903 (0xFFCEFF7F)
YUV	225.7570, -48.6872, -17.3269
Hunter-Lab	92.8300, -37.4048, 43.7243

Details

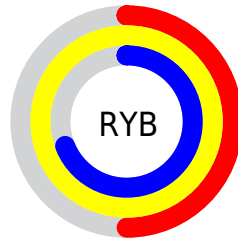
The Yxy color **86.1741, 0.3525, 0.4671** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **31.6339, 0.2509, 0.1822**, and the grayscale version is **76.2061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1574, 0.3561, 0.4008**, and **47.2588, 0.3568, 0.4991** is the 20% darker color. If you saturate the color by 10%, you get **84.2277, 0.3571, 0.4936**, and if you desaturate by 10%, it is **88.3587, 0.3462, 0.4388**.

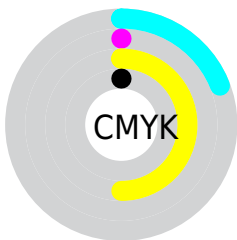
Distribution



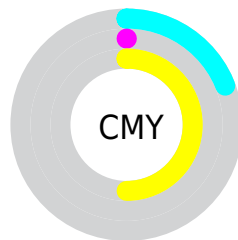
- Red (81%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (69%)



- Cyan (19%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.1741, 0.3525, 0.4671 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 86.1741, 0.3525, 0.4671 by changing the saturation by 10% instead.

 86.1741, 0.3525,
0.4671

 86.1741, 0.3525,
0.4671


515.5051, 0.3380,
0.4029


 64.8119, 0.3547,
0.4814

 142.0124, 0.3483,
0.4450

 47.3086, 0.3567,
0.4987


 177.2574, 0.3465,
0.4364

 33.2797, 0.3584,
0.5200


 217.8987, 0.3447,
0.4289

 22.3408, 0.3588,
0.5466

264.3208, 0.3431,
0.4223

 14.1075, 0.3563,
0.5798

316.9082, 0.3417,
0.4166

 8.1955, 0.3515,
0.6287

376.0450, 0.3403,

 4.2203, 0.3254,

0.4115

0.6746

442.1159, 0.3391,
0.4070

■ 1.7975, 0.2668,
0.7332

■ 0.4856, 0.0000,
1.0000

■ 86.1741, 0.3525,
0.4671

■ 86.1741, 0.3525,
0.4671

■ 84.2277, 0.3571,
0.4936

■ 88.3587, 0.3462,
0.4388

■ 82.5304, 0.3595,
0.5168


■ 90.8202, 0.3386,
0.4100

■ 81.0574, 0.3595,
0.5357

■ 93.5620, 0.3302,
0.3817

■ 79.7892, 0.3570,
0.5494

■ 96.5954, 0.3216,
0.3547

 78.7152, 0.3526,
0.5582

99.9309, 0.3129,
0.3295

100.0000, 0.3127,
0.3290

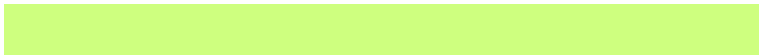
Harmonies

Analogous

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



86.1741, 0.4172, 0.4465



86.1741, 0.3525, 0.4671



86.1741, 0.2809, 0.4374

Triad

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



86.1741, 0.3525, 0.4671



86.1741, 0.1852, 0.2377



86.1741, 0.4069, 0.2903

Complementary

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



86.1741, 0.3525, 0.4671



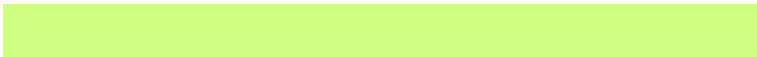
31.6339, 0.2509, 0.1822

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.



86.1741, 0.3323, 0.2472



86.1741, 0.3525, 0.4671



86.1741, 0.2093, 0.2165

Square

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



86.1741, 0.3525, 0.4671



86.1741, 0.1889, 0.2885



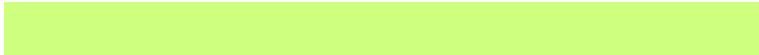
86.1741, 0.2601, 0.2209



86.1741, 0.4545, 0.3432

Rectangle

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



86.1741, 0.3525, 0.4671



86.1741, 0.2389, 0.3912



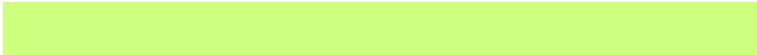
86.1741, 0.2601, 0.2209



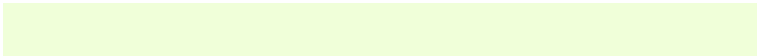
86.1741, 0.3835, 0.2745

Sweetspot

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



86.1656, 0.3525, 0.4671



95.1017, 0.3258, 0.3675



53.0374, 0.4288, 0.3778



20.2200, 0.3276, 0.3732



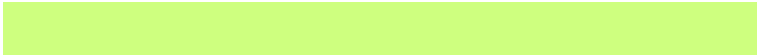
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



86.1656, 0.3525, 0.4671



84.2636, 0.3570, 0.4931



78.9871, 0.3141, 0.4854



20.7228, 0.3210, 0.3529



41.2189, 0.3536, 0.5574



4.0762, 0.3610, 0.5515

Inverse Universe

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



31.6339, 0.2509, 0.1822



24.2623, 0.2354, 0.1526



40.5630, 0.3034, 0.2021



17.7170, 0.3039, 0.3049



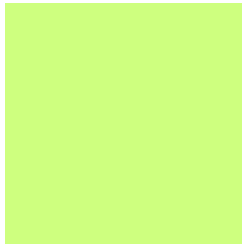
5.2007, 0.1816, 0.0774



0.5669, 0.1941, 0.0843

Previews

White Background



This preview shows how the Yxy color 86.1741, 0.3525, 0.4671 looks on a white background.

Color Contrast Check

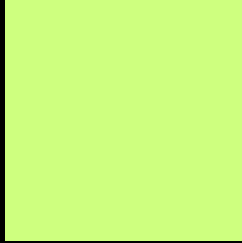
Large Text (above 18pt) WCAG AA × Fail

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 86.1741, 0.3525, 0.4671 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

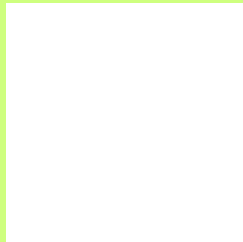
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.1741, 0.3525, 0.4671

Background



This preview shows how black text looks on a background with the Yxy color 86.1741, 0.3525, 0.4671.

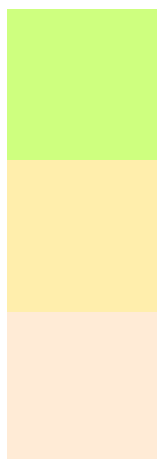


This preview shows how white text looks on a background with the Yxy color 86.1741, 0.3525, 0.4671.

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

86.1741, 0.3525, 0.4671

Protanopia

85.3876, 0.3670, 0.3953

Deuteranopia

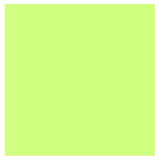
85.5317, 0.3400, 0.3500



Tritanopia

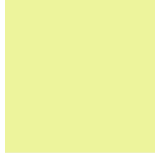
85.8711, 0.2956, 0.3138

Trichromacy



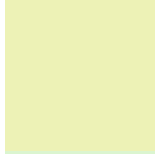
Original Color

86.1741, 0.3525, 0.4671



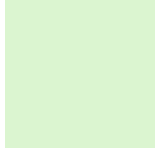
Protanomaly

85.1062, 0.3620, 0.4205



Deuteranomaly

84.8862, 0.3467, 0.3917



Tritanomaly

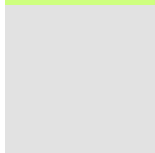
84.9190, 0.3180, 0.3686

Monochromacy



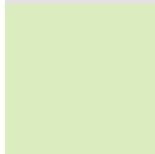
Original Color

86.1741, 0.3525, 0.4671



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.3461, 0.3299, 0.3805

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1741, 0.3525, 0.4671 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(206, 255, 127)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 127)  
}
```

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(206, 255, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 127) }
```

Border

The CSS property to change the border of an element to Yxy 86.1741, 0.3525, 0.4671 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(206, 255, 127) }
```

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

```
.border{ border-color:rgb(206, 255, 127) }
```

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

Here you see how a box with a 4 pixel rgb(206, 255, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 127);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1741, 0.3525, 0.4671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 127) }
```

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

```
.background{ background-color: rgb(206,  
255, 127) }
```

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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