

Converting Colors

$Y_{xy}(159.1165, 0.3319, 0.5169)$

Have a look what the booklet for
Yxy(159.1165, 0.3319, 0.5169)
contains.

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Color

Yxy(86.5416, 0.3524, 0.4635)

Conversions

Conversions Part 1

Format	Color
Hex	D0FF82
RGB	208, 255, 130
RGB Percent	82%, 100%, 51%
CMY	0.1844, 0.0000, 0.4900
CMYK	0.18, 0.00, 0.49, 0.00
HSL	83°, 100%, 76%
HSV	83°, 49%, 100%
XYZ	65.7978, 86.5416, 34.3739
YIQ	226.6970, 12.1130, -48.8390

Conversions

Conversions Part 2

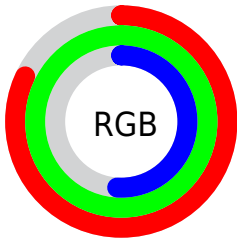
Format	Color
RYB	130, 255, 177
Decimal	13696898
CIELab	94.54, -34.17, 54.41
CIELCh	95, 64.250, 122.129
Yxy	86.5416, 0.3524, 0.4635
Android (android.graphics.Color)	4291886978 (0xFFD0FF82)
YUV	226.6970, -47.6716, -16.3973
Hunter-Lab	93.0277, -36.5470, 43.2117

Details

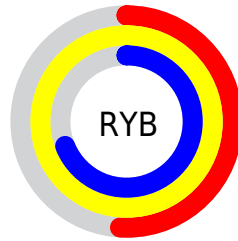
The Yxy color **86.5416, 0.3524, 0.4635** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **32.5577, 0.2521, 0.1857**, and the grayscale version is **76.9272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2828, 0.3544, 0.3979**, and **47.5033, 0.3566, 0.4939** is the 20% darker color. If you saturate the color by 10%, you get **84.5867, 0.3574, 0.4901**, and if you desaturate by 10%, it is **88.7440, 0.3458, 0.4352**.

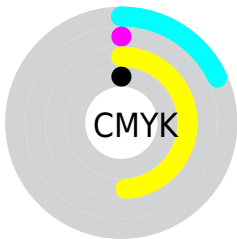
Distribution



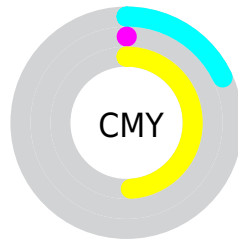
- Red (82%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (69%)



- Cyan (18%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.5416, 0.3524, 0.4635 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 86.5416, 0.3524, 0.4635 by changing the saturation by 10% instead.


 86.5416, 0.3524,
0.4635


 86.5416, 0.3524,
0.4635

516.7154, 0.3377,
0.4010

 65.1159, 0.3547,
0.4774

 142.5250, 0.3481,
0.4420

 47.5551, 0.3569,
0.4943


 177.8516, 0.3462,
0.4336

 33.4747, 0.3588,
0.5151


 218.5805, 0.3445,
0.4263

 22.4903, 0.3596,
0.5410

265.0963, 0.3429,
0.4200

 14.2176, 0.3579,
0.5736

317.7833, 0.3414,
0.4144

 8.2722, 0.3532,
0.6199

377.0259, 0.3401,

 4.2696, 0.3310,

0.4094

0.6690

443.2084, 0.3389,
0.4050

■ 1.8255, 0.2761,
0.7239

■ 0.5030, 0.0000,
1.0000

■ 86.5416, 0.3524,
0.4635

■ 86.5416, 0.3524,
0.4635

■ 84.5867, 0.3574,
0.4901

■ 88.7440, 0.3458,
0.4352

■ 82.8747, 0.3602,
0.5137

■ 91.2163, 0.3379,
0.4065

■ 81.3863, 0.3605,
0.5331

■ 93.9673, 0.3294,
0.3784

■ 80.1025, 0.3584,
0.5473

■ 97.0080, 0.3206,
0.3516

■ 78.9964, 0.3541,
0.5566

100.0000, 0.3127,
0.3290

■ 78.8920, 0.3537,
0.5574

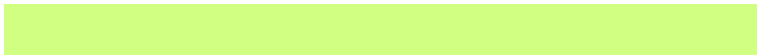
Harmonies

Analogous

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



86.5416, 0.4154, 0.4437



86.5416, 0.3524, 0.4635



86.5416, 0.2823, 0.4347

Triad

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



86.5416, 0.3524, 0.4635



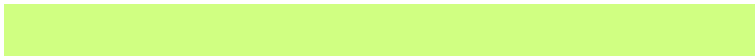
86.5416, 0.1878, 0.2402



86.5416, 0.4040, 0.2909

Complementary

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



86.5416, 0.3524, 0.4635



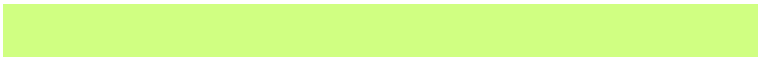
32.5577, 0.2521, 0.1857

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.



86.5416, 0.3313, 0.2487



86.5416, 0.3524, 0.4635



86.5416, 0.2113, 0.2190

Square

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



86.5416, 0.3524, 0.4635



86.5416, 0.1917, 0.2902



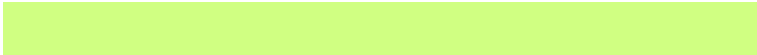
86.5416, 0.2610, 0.2231



86.5416, 0.4508, 0.3429

Rectangle

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



86.5416, 0.3524, 0.4635



86.5416, 0.2412, 0.3902



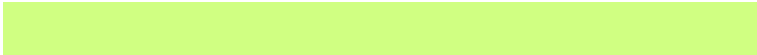
86.5416, 0.2610, 0.2231



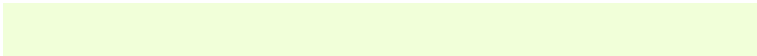
86.5416, 0.3813, 0.2754

Sweetspot

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



86.5384, 0.3524, 0.4635



95.1475, 0.3259, 0.3675



53.8725, 0.4250, 0.3768



20.2310, 0.3278, 0.3732



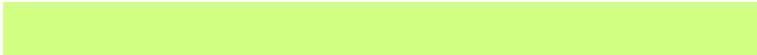
0.0000, 0.0000, 0.0000



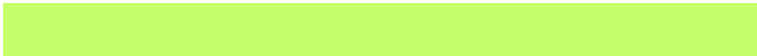
21.4041, 0.3127, 0.3290

Same Dimension

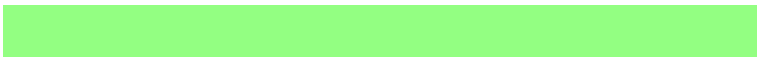
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.5384, 0.3524, 0.4635



84.5863, 0.3574, 0.4901



79.3100, 0.3142, 0.4812



20.7292, 0.3211, 0.3529



41.3110, 0.3547, 0.5566



4.0848, 0.3620, 0.5508

Inverse Universe

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



32.5577, 0.2521, 0.1857



24.8279, 0.2362, 0.1551



41.4364, 0.3037, 0.2049



17.7108, 0.3038, 0.3048



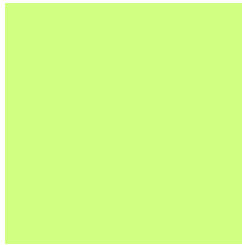
5.1500, 0.1805, 0.0768



0.5615, 0.1930, 0.0837

Previews

White Background



This preview shows how the Yxy color 86.5416, 0.3524, 0.4635 looks on a white background.

Color Contrast Check

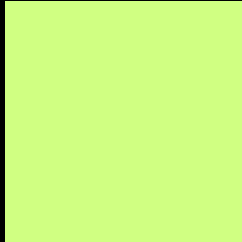
Large Text (above 18pt) WCAG AA × Fail

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 86.5416, 0.3524, 0.4635 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

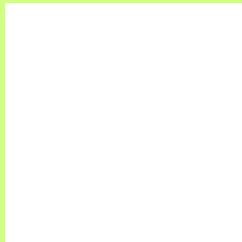
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.5416, 0.3524, 0.4635

Background



This preview shows how black text looks on a background with the Yxy color 86.5416, 0.3524, 0.4635.

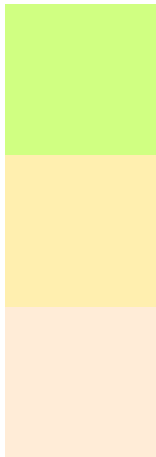


This preview shows how white text looks on a background with the Yxy color 86.5416, 0.3524, 0.4635.

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

86.5416, 0.3524, 0.4635

Protanopia

86.0881, 0.3648, 0.3933

Deuteranopia

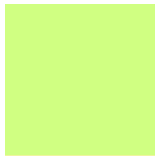
86.1572, 0.3392, 0.3500



Tritanopia

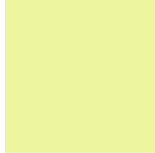
86.0342, 0.2962, 0.3138

Trichromacy



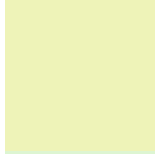
Original Color

86.5416, 0.3524, 0.4635



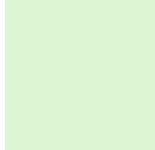
Protanomaly

85.9852, 0.3607, 0.4181



Deuteranomaly

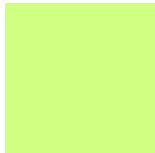
85.7390, 0.3459, 0.3904



Tritanomaly

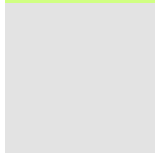
85.3301, 0.3181, 0.3663

Monochromacy



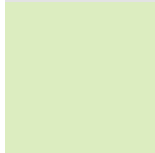
Original Color

86.5416, 0.3524, 0.4635



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.5898, 0.3293, 0.3781

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5416, 0.3524, 0.4635 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 130)  
}
```

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, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 130) }
```

Border

The CSS property to change the border of an element to Yxy 86.5416, 0.3524, 0.4635 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, 130) }
```

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

```
.border{ border-color:rgb(208, 255, 130) }
```

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, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 130);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5416, 0.3524, 0.4635 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, 130) }
```

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

```
.background{ background-color: rgb(208,  
255, 130) }
```

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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