

Converting Colors

$Y_{xy}(124.0153, 0.3311, 0.4971)$

Have a look what the booklet for
Yxy(124.0153, 0.3311, 0.4971)
contains.

| | |
|--|----|
| Yxy(85.1679, 0.3422, 0.4609) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(85.1679, 0.3422, 0.4609)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | C5FF88 |
| RGB | 197, 255, 136 |
| RGB Percent | 77%, 100%, 53% |
| CMY | 0.2273, 0.0000, 0.4668 |
| CMYK | 0.23, 0.00, 0.47, 0.00 |
| HSL | 89°, 100%, 77% |
| HSV | 89°, 47%, 100% |
| XYZ | 63.2338, 85.1679, 36.3844 |
| YIQ | 224.0920, 3.6310, -49.3050 |

Conversions

Conversions Part 2

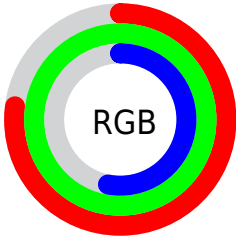
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 136, 255, 194 |
| Decimal | 12976008 |
| CIELab | 93.96, -37.46, 50.79 |
| CIElCh | 94, 63.109, 126.407 |
| Yxy | 85.1679, 0.3422, 0.4609 |
| Android (android.graphics.Color) | 4291166088 (0xFFC5FF88) |
| YUV | 224.0920, -43.4294, -23.7597 |
| Hunter-Lab | 92.2865, -39.1948, 41.2252 |

Details

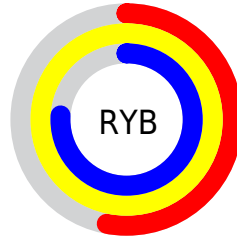
The Yxy color **85.1679, 0.3422, 0.4609** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **36.2788, 0.2662, 0.1968**, and the grayscale version is **74.9285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5416, 0.3508, 0.3919**, and **46.6754, 0.3451, 0.4919** is the 20% darker color. If you saturate the color by 10%, you get **82.9222, 0.3457, 0.4900**, and if you desaturate by 10%, it is **87.7306, 0.3372, 0.4308**.

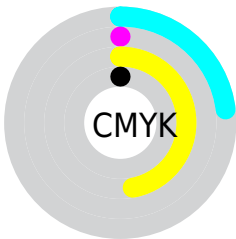
Distribution



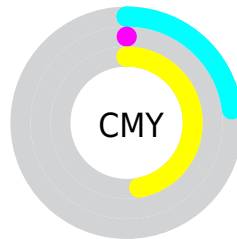
- Red (77%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (76%)



- Cyan (23%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.1679, 0.3422, 0.4609 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 85.1679, 0.3422, 0.4609 by changing the saturation by 10% instead.


 85.1679, 0.3422,
0.4609

 85.1679, 0.3422,
0.4609


512.1835, 0.3318,
0.3989


 63.9801, 0.3436,
0.4750


 140.6077, 0.3393,
0.4394

 46.6346, 0.3449,
0.4921


 175.6286, 0.3380,
0.4310

 32.7469, 0.3456,
0.5135

 216.0292, 0.3368,
0.4238

 21.9326, 0.3452,
0.5406

262.1941, 0.3356,
0.4175

 13.8074, 0.3420,
0.5755

314.5076, 0.3346,
0.4120

 7.9868, 0.3341,
0.6236


373.3540, 0.3336,


 4.0865, 0.3129,


0.4071


0.6871


439.1178, 0.3327,
0.4028

 1.7221, 0.2434,
0.7566


 0.4379, 0.0000,
1.0000


 85.1679, 0.3422,
0.4609


 85.1679, 0.3422,
0.4609

 82.9222, 0.3457,
0.4900


 87.7306, 0.3372,
0.4308


 80.9681, 0.3474,
0.5165

 90.6151, 0.3311,
0.4010

 79.2913, 0.3467,
0.5389

 93.8378, 0.3244,
0.3724

 77.8716, 0.3438,
0.5561

 97.4113, 0.3174,
0.3457

■ 76.6846, 0.3389,
0.5676

100.0000, 0.3127,
0.3290

■ 76.3309, 0.3371,
0.5706

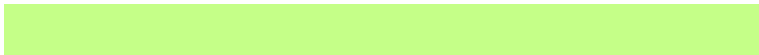
Harmonies

Analogous

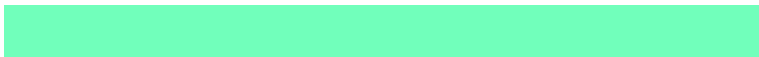
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1679, 0.4066, 0.4474



85.1679, 0.3422, 0.4609



85.1679, 0.2735, 0.4251

Triad

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



85.1679, 0.3422, 0.4609



85.1679, 0.1908, 0.2366



85.1679, 0.4117, 0.2983

Complementary

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



85.1679, 0.3422, 0.4609



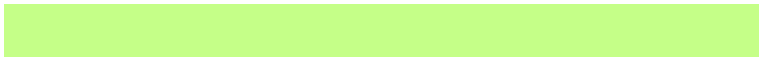
36.2788, 0.2662, 0.1968

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.



85.1679, 0.3419, 0.2546



85.1679, 0.3422, 0.4609



85.1679, 0.2179, 0.2193

Square

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



85.1679, 0.3422, 0.4609



85.1679, 0.1907, 0.2820



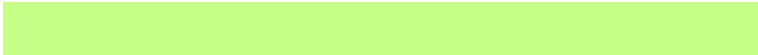
85.1679, 0.2706, 0.2266



85.1679, 0.4522, 0.3506

Rectangle

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



85.1679, 0.3422, 0.4609



85.1679, 0.2346, 0.3785



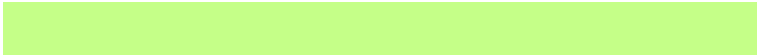
85.1679, 0.2706, 0.2266



85.1679, 0.3904, 0.2825

Sweetspot

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



85.1711, 0.3422, 0.4609



94.7608, 0.3225, 0.3651



61.3972, 0.4106, 0.3887



20.1233, 0.3240, 0.3710



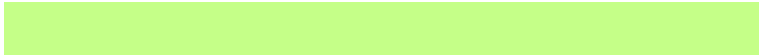
0.0000, 0.0000, 0.0000



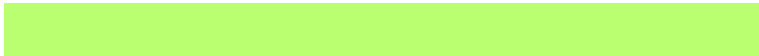
21.4041, 0.3127, 0.3290

Same Dimension

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



85.1711, 0.3422, 0.4609



83.0657, 0.3456, 0.4880



78.6954, 0.3068, 0.4765



20.6263, 0.3194, 0.3530



39.9738, 0.3382, 0.5696



3.9571, 0.3467, 0.5629

Inverse Universe

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



36.2788, 0.2662, 0.1968



28.7662, 0.2539, 0.1695



45.7040, 0.3163, 0.2146



17.8119, 0.3055, 0.3050



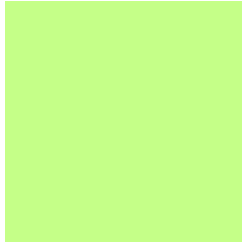
6.1069, 0.1996, 0.0873



0.6593, 0.2119, 0.0941

Previews

White Background



This preview shows how the Yxy color 85.1679, 0.3422, 0.4609 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 85.1679, 0.3422, 0.4609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

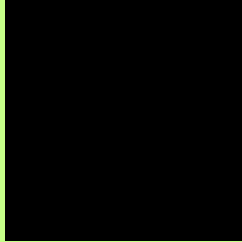
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.1679, 0.3422, 0.4609

Background



This preview shows how black text looks on a background with the Yxy color 85.1679, 0.3422, 0.4609.

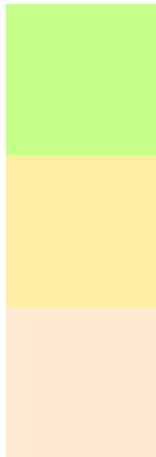


This preview shows how white text looks on a background with the Yxy color 85.1679, 0.3422, 0.4609.

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

85.1679, 0.3422, 0.4609

Protanopia

84.5087, 0.3724, 0.4023

Deuteranopia

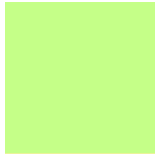
84.2410, 0.3423, 0.3511



Tritanopia

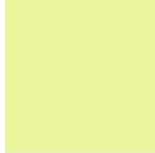
84.7558, 0.2913, 0.3136

Trichromacy



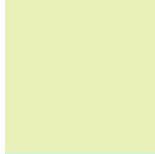
Original Color

85.1679, 0.3422, 0.4609



Protanomaly

84.5269, 0.3611, 0.4232



Deuteranomaly

83.8637, 0.3435, 0.3891



Tritanomaly

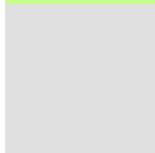
84.0553, 0.3110, 0.3647

Monochromacy



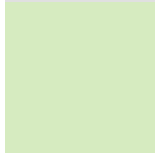
Original Color

85.1679, 0.3422, 0.4609



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.5186, 0.3254, 0.3767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1679, 0.3422, 0.4609 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(197, 255, 136)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 136)  
}
```

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(197, 255, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 136) }
```

Border

The CSS property to change the border of an element to Yxy 85.1679, 0.3422, 0.4609 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(197, 255, 136) }
```

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

```
.border{ border-color:rgb(197, 255, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 255, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 136);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1679, 0.3422, 0.4609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 136) }
```

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

```
.background{ background-color: rgb(197,  
255, 136) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor