

Converting Colors

$Yxy(86.3644, 0.3386, 0.4445)$

Have a look what the booklet for
Yxy(86.3644, 0.3386, 0.4445)
contains.

| | |
|--|----|
| Yxy(86.4185, 0.3390, 0.4446) | 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(86.4185, 0.3390, 0.4446)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | CBFF96 |
| RGB | 203, 255, 150 |
| RGB Percent | 80%, 100%, 59% |
| CMY | 0.2039, 0.0000, 0.4117 |
| CMYK | 0.20, 0.00, 0.41, 0.00 |
| HSL | 90°, 100%, 79% |
| HSV | 90°, 41%, 100% |
| XYZ | 65.8926, 86.4185, 42.0624 |
| YIQ | 227.4820, 2.7130, -43.6790 |

Conversions

Conversions Part 2

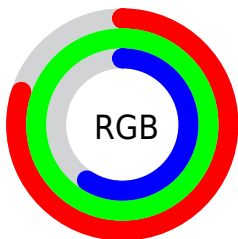
| Format | Color |
|-------------------------------------|--|
| RYB | 150, 255, 202 |
| Decimal | 13369238 |
| CIELab | 94.49, -33.73, 44.84 |
| CIElCh | 94, 56.112, 126.952 |
| Yxy | 86.4185, 0.3390, 0.4446 |
| Android (android.graphics.Color) | 4291559318 (0xFFCBBFF96) |
| YUV | 227.4820, -38.1986, -21.4707 |
| Hunter-Lab | 92.9616, -36.1590, 38.2461 |

Details

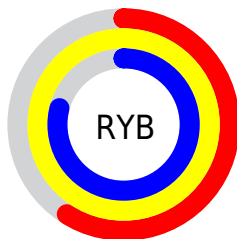
The Yxy color **86.4185, 0.3390, 0.4446** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **41.5921, 0.2738, 0.2136**, and the grayscale version is **77.4661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1878, 0.3424, 0.3780**, and **47.4543, 0.3421, 0.4722** is the 20% darker color. If you saturate the color by 10%, you get **83.9822, 0.3433, 0.4745**, and if you desaturate by 10%, it is **89.1769, 0.3335, 0.4144**.

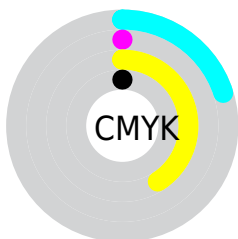
Distribution



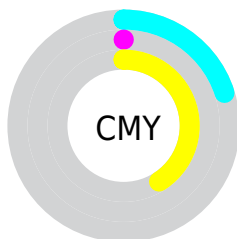
- Red (80%)
- Green (100%)
- Blue (59%)



- Red (59%)
- Yellow (100%)
- Blue (79%)



- Cyan (20%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.4185, 0.3390, 0.4446 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 86.4185, 0.3390, 0.4446 by changing the saturation by 10% instead.

 86.4185, 0.3390,
0.4446

 86.4185, 0.3390,
0.4446


516.3102, 0.3293,
0.3904

 65.0141, 0.3405,
0.4569


 142.3534, 0.3362,
0.4258

 47.4725, 0.3420,
0.4720


 177.6526, 0.3349,
0.4185

 33.4093, 0.3433,
0.4909


218.3522, 0.3338,
0.4122

 22.4402, 0.3440,
0.5151

264.8366, 0.3327,
0.4067

 14.1807, 0.3430,
0.5468

317.4903, 0.3318,
0.4019

 8.2465, 0.3378,
0.5891


376.6974, 0.3309,


 4.2531, 0.3329,


0.3976


0.6671

442.8426, 0.3301,
0.3938


 1.8161, 0.2786,
0.7214

 0.4972, 0.0000,
1.0000


 86.4185, 0.3390,
0.4446


 86.4185, 0.3390,
0.4446


 83.9822, 0.3433,
0.4745


 89.1769, 0.3335,
0.4144


 81.8545, 0.3459,
0.5028

 92.2731, 0.3271,
0.3851

 80.0182, 0.3464,
0.5278

 95.7195, 0.3204,
0.3575

 78.4546, 0.3447,
0.5482

 99.5283, 0.3135,
0.3319

■ 77.1417, 0.3407,
0.5629

100.0000, 0.3127,
0.3290

■ 76.1634, 0.3359,
0.5715

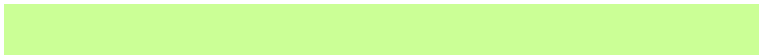
Harmonies

Analogous

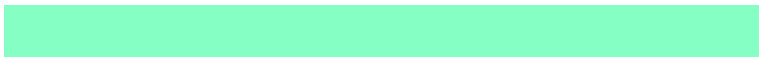
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.4185, 0.3965, 0.4355



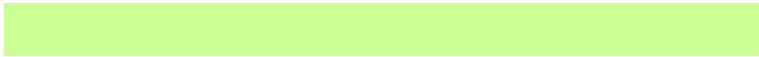
86.4185, 0.3390, 0.4446



86.4185, 0.2775, 0.4119

Triad

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



86.4185, 0.3390, 0.4446



86.4185, 0.2031, 0.2463



86.4185, 0.4012, 0.3029

Complementary

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



86.4185, 0.3390, 0.4446



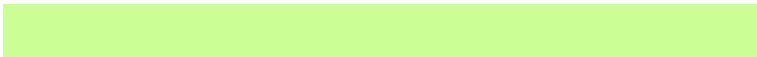
41.5921, 0.2738, 0.2136

Split Complementary

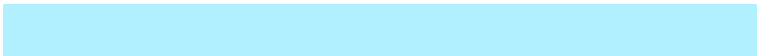
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.4185, 0.3402, 0.2628



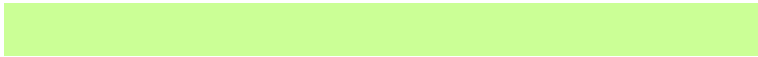
86.4185, 0.3390, 0.4446



86.4185, 0.2284, 0.2303

Square

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



86.4185, 0.3390, 0.4446



86.4185, 0.2029, 0.2872



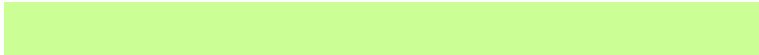
86.4185, 0.2766, 0.2370



86.4185, 0.4366, 0.3507

Rectangle

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



86.4185, 0.3390, 0.4446



86.4185, 0.2426, 0.3716



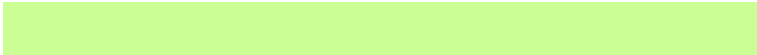
86.4185, 0.2766, 0.2370



86.4185, 0.3827, 0.2884

Sweetspot

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



86.4180, 0.3390, 0.4446



95.4214, 0.3210, 0.3597



65.1201, 0.3962, 0.3818



20.3242, 0.3218, 0.3632



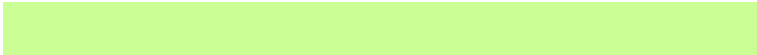
0.0000, 0.0000, 0.0000



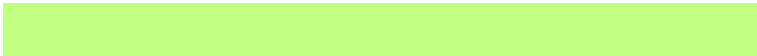
21.4041, 0.3127, 0.3290

Same Dimension

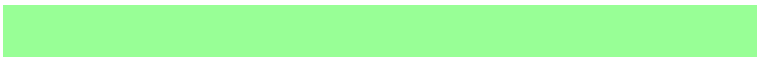
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4180, 0.3390, 0.4446



84.4851, 0.3425, 0.4681



80.3739, 0.3077, 0.4565



20.6186, 0.3192, 0.3530



39.8860, 0.3371, 0.5706



3.9485, 0.3456, 0.5638

Inverse Universe

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



41.5921, 0.2738, 0.2136



34.3970, 0.2640, 0.1902



49.9638, 0.3160, 0.2270



17.8196, 0.3057, 0.3050



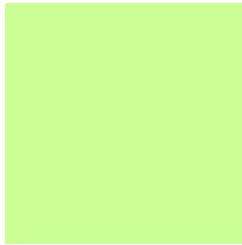
6.1909, 0.2012, 0.0882



0.6677, 0.2134, 0.0950

Previews

White Background



This preview shows how the Yxy color 86.4185, 0.3390, 0.4446 looks on a white background.

Color Contrast Check

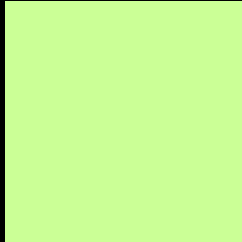
Large Text (above 18pt) WCAG AA × Fail

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 86.4185, 0.3390, 0.4446 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

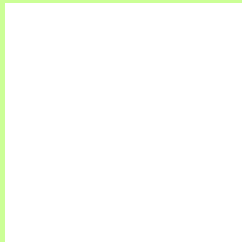
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.4185, 0.3390, 0.4446

Background



This preview shows how black text looks on a background with the Yxy color 86.4185, 0.3390, 0.4446.

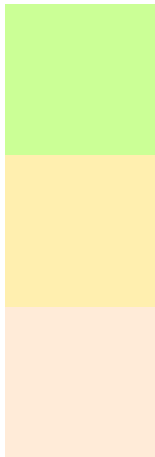


This preview shows how white text looks on a background with the Yxy color 86.4185, 0.3390, 0.4446.

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

86.4185, 0.3390, 0.4446

Protanopia

86.0881, 0.3648, 0.3933

Deuteranopia

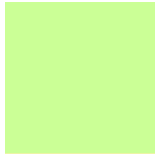
85.6345, 0.3387, 0.3480



Tritanopia

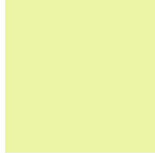
86.1381, 0.2943, 0.3147

Trichromacy



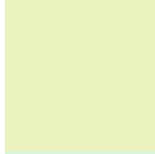
Original Color

86.4185, 0.3390, 0.4446



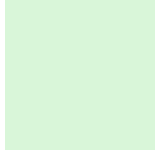
Protanomaly

85.8909, 0.3551, 0.4114



Deuteranomaly

85.1429, 0.3397, 0.3813



Tritanomaly

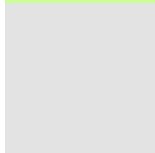
85.6730, 0.3113, 0.3599

Monochromacy



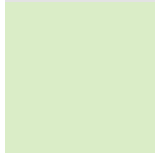
Original Color

86.4185, 0.3390, 0.4446



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.5973, 0.3235, 0.3705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.4185, 0.3390, 0.4446 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(203, 255, 150)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 150)  
}
```

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(203, 255, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 150) }
```

Border

The CSS property to change the border of an element to Yxy 86.4185, 0.3390, 0.4446 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(203, 255, 150) }
```

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

```
.border{ border-color:rgb(203, 255, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 255, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 86.4185, 0.3390, 0.4446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 150) }
```

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

```
.background{ background-color: rgb(203,  
255, 150) }
```

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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