

Converting Colors

Yxy(89.7368, 0.3389, 0.4514)

Have a look what the booklet for
Yxy(89.7368, 0.3389, 0.4514)
contains.

Yxy(86.3546, 0.3400, 0.4467)	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(86.3546, 0.3400, 0.4467)

Conversions

Conversions Part 1

Format	Color
Hex	CBFF94
RGB	203, 255, 148
RGB Percent	80%, 100%, 58%
CMY	0.2041, 0.0000, 0.4195
CMYK	0.20, 0.00, 0.42, 0.00
HSL	89°, 100%, 79%
HSV	89°, 42%, 100%
XYZ	65.7277, 86.3546, 41.2345
YIQ	227.2540, 3.3550, -44.3010

Conversions

Conversions Part 2

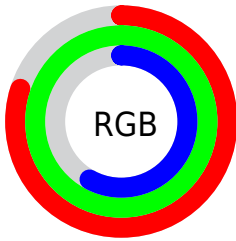
Format	Color
RYB	148, 255, 200
Decimal	13369236
CIELab	94.46, -33.98, 45.76
CIElCh	94, 56.996, 126.601
Yxy	86.3546, 0.3400, 0.4467
Android (android.graphics.Color)	4291559316 (0xFFCBBFF94)
YUV	227.2540, -39.0722, -21.2708
Hunter-Lab	92.9272, -36.3689, 38.7403

Details

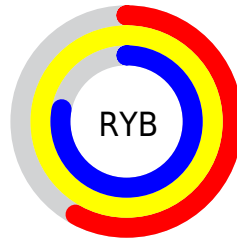
The Yxy color **86.3546, 0.3400, 0.4467** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.7009, 0.2721, 0.2110**, and the grayscale version is **77.2916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0918, 0.3436, 0.3800**, and **47.4174, 0.3433, 0.4747** is the 20% darker color. If you saturate the color by 10%, you get **83.9570, 0.3443, 0.4764**, and if you desaturate by 10%, it is **89.0604, 0.3344, 0.4166**.

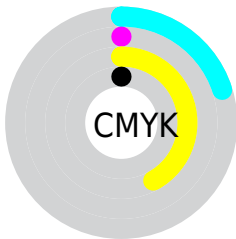
Distribution



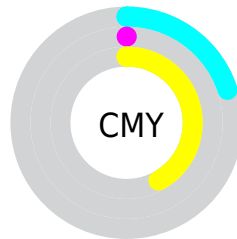
- Red (80%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (78%)



- Cyan (20%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.3546, 0.3400, 0.4467 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 86.3546, 0.3400, 0.4467 by changing the saturation by 10% instead.


 86.3546, 0.3400,
0.4467

 86.3546, 0.3400,
0.4467

516.0997, 0.3300,
0.3916

 64.9612, 0.3416,
0.4592


 142.2642, 0.3371,
0.4276

 47.4296, 0.3431,
0.4746


 177.5493, 0.3358,
0.4201

 33.3754, 0.3444,
0.4938


218.2337, 0.3346,
0.4137

 22.4142, 0.3451,
0.5183

264.7018, 0.3335,
0.4081

 14.1616, 0.3439,
0.5502

317.3381, 0.3325,
0.4032

 8.2331, 0.3384,
0.5928


376.5269, 0.3316,


 4.2445, 0.3316,


0.3989


0.6684


442.6527, 0.3307,
0.3950

 1.8112, 0.2765,
0.7235


 0.4942, 0.0000,
1.0000


 86.3546, 0.3400,
0.4467


 86.3546, 0.3400,
0.4467


 83.9570, 0.3443,
0.4764


 89.0604, 0.3344,
0.4166

 81.8661, 0.3469,
0.5043

 92.1019, 0.3280,
0.3873

 80.0608, 0.3474,
0.5289

 95.4875, 0.3211,
0.3595

 78.5224, 0.3456,
0.5487

 99.2292, 0.3141,
0.3338

■ 77.2288, 0.3415,
0.5628

100.0000, 0.3127,
0.3290

■ 76.3402, 0.3371,
0.5705

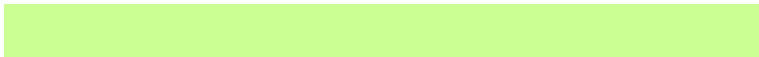
Harmonies

Analogous

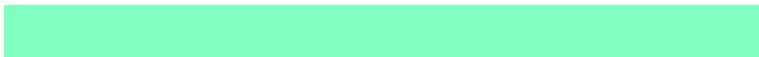
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3546, 0.3982, 0.4368



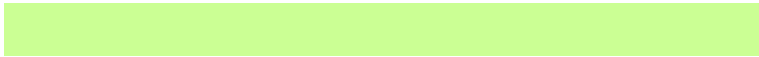
86.3546, 0.3400, 0.4467



86.3546, 0.2776, 0.4140

Triad

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



86.3546, 0.3400, 0.4467



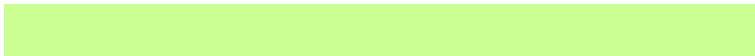
86.3546, 0.2015, 0.2453



86.3546, 0.4020, 0.3020

Complementary

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



86.3546, 0.3400, 0.4467



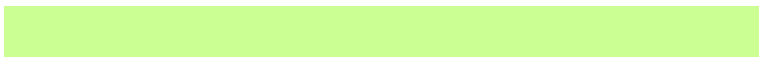
40.7009, 0.2721, 0.2110

Split Complementary

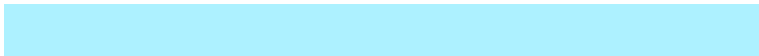
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.3546, 0.3398, 0.2615



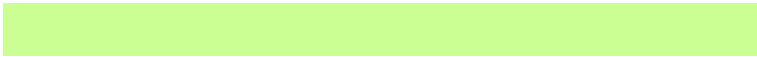
86.3546, 0.3400, 0.4467



86.3546, 0.2267, 0.2290

Square

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



86.3546, 0.3400, 0.4467



86.3546, 0.2015, 0.2870



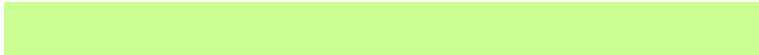
86.3546, 0.2753, 0.2355



86.3546, 0.4383, 0.3502

Rectangle

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



86.3546, 0.3400, 0.4467



86.3546, 0.2420, 0.3730



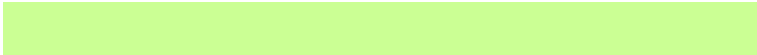
86.3546, 0.2753, 0.2355



86.3546, 0.3831, 0.2872

Sweetspot

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



86.3501, 0.3400, 0.4467



95.1143, 0.3218, 0.3623



64.5852, 0.3982, 0.3828



20.1937, 0.3234, 0.3684



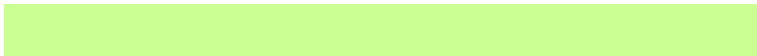
0.0000, 0.0000, 0.0000



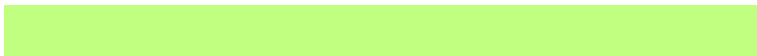
21.4041, 0.3127, 0.3290

Same Dimension

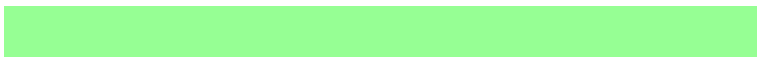
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3501, 0.3400, 0.4467



84.3987, 0.3436, 0.4707



80.1261, 0.3076, 0.4593



20.6267, 0.3194, 0.3530



39.9787, 0.3383, 0.5696



3.9576, 0.3468, 0.5629

Inverse Universe

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



40.7009, 0.2721, 0.2110



33.4152, 0.2618, 0.1869



49.3345, 0.3161, 0.2252



17.8115, 0.3055, 0.3050



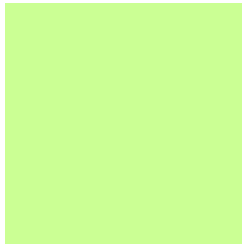
6.1022, 0.1995, 0.0873



0.6589, 0.2118, 0.0941

Previews

White Background



This preview shows how the Yxy color 86.3546, 0.3400, 0.4467 looks on a white background.

Color Contrast Check

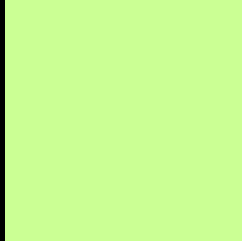
Large Text (above 18pt) WCAG AA × Fail

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 86.3546, 0.3400, 0.4467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

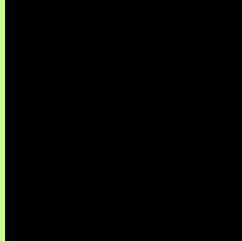
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

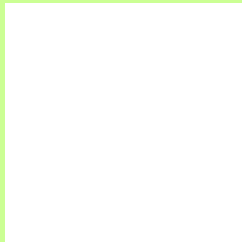
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.3546, 0.3400, 0.4467

Background



This preview shows how black text looks on a background with the Yxy color 86.3546, 0.3400, 0.4467.

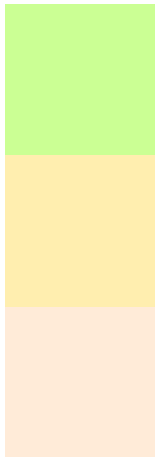


This preview shows how white text looks on a background with the Yxy color 86.3546, 0.3400, 0.4467.

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

86.3546, 0.3400, 0.4467

Protanopia

85.5042, 0.3650, 0.3924

Deuteranopia

85.6345, 0.3387, 0.3480



Tritanopia

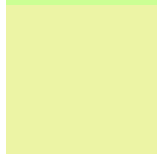
86.1381, 0.2943, 0.3147

Trichromacy



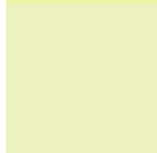
Original Color

86.3546, 0.3400, 0.4467



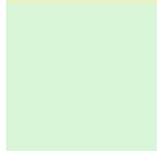
Protanomaly

85.2508, 0.3559, 0.4115



Deuteranomaly

85.0987, 0.3403, 0.3823



Tritanomaly

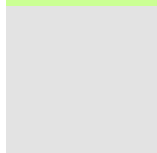
85.6211, 0.3119, 0.3610

Monochromacy



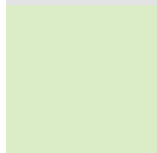
Original Color

86.3546, 0.3400, 0.4467



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.5510, 0.3242, 0.3716

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.3546, 0.3400, 0.4467 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 148) }
```

Border

The CSS property to change the border of an element to Yxy 86.3546, 0.3400, 0.4467 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, 148) }
```

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

```
.border{ border-color:rgb(203, 255, 148) }
```

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, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 148);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 86.3546, 0.3400, 0.4467 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, 148) }
```

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

```
.background{ background-color: rgb(203,  
255, 148) }
```

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