

Converting Colors

$Yxy(86.9620, 0.3360, 0.4355)$

Have a look what the booklet for
Yxy(86.9620, 0.3360, 0.4355)
contains.

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Color

Yxy(86.9678, 0.3361, 0.4356)

Conversions

Conversions Part 1

Format	Color
Hex	CDFE9E
RGB	205, 255, 158
RGB Percent	80%, 100%, 62%
CMY	0.1961, 0.0000, 0.3805
CMYK	0.20, 0.00, 0.38, 0.00
HSL	91°, 100%, 81%
HSV	91°, 38%, 100%
XYZ	67.1026, 86.9678, 45.5802
YIQ	228.9920, 1.3370, -40.7670

Conversions

Conversions Part 2

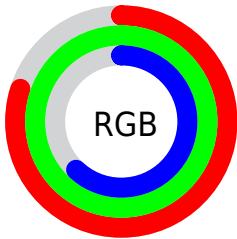
Format	Color
RYB	158, 255, 208
Decimal	13500318
CIELab	94.72, -32.05, 41.29
CIElCh	95, 52.268, 127.814
Yxy	86.9678, 0.3361, 0.4356
Android (android.graphics.Color)	4291690398 (0xFFCDDFF9E)
YUV	228.9920, -34.9991, -21.0410
Hunter-Lab	93.2565, -34.7596, 36.3009

Details

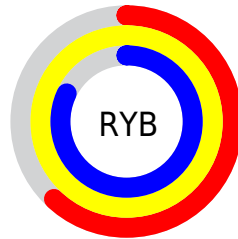
The Yxy color **86.9678, 0.3361, 0.4356** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **45.0685, 0.2790, 0.2235**, and the grayscale version is **78.6028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6350, 0.3370, 0.3691**, and **47.7976, 0.3389, 0.4610** is the 20% darker color. If you saturate the color by 10%, you get **84.3844, 0.3405, 0.4660**, and if you desaturate by 10%, it is **89.8835, 0.3306, 0.4054**.

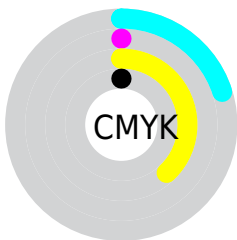
Distribution



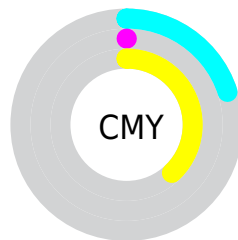
- Red (80%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (82%)



- Cyan (20%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.9678, 0.3361, 0.4356 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 86.9678, 0.3361, 0.4356 by changing the saturation by 10% instead.


 86.9678, 0.3361,
0.4356

 86.9678, 0.3361,
0.4356


518.1171, 0.3274,
0.3857

 65.4686, 0.3375,
0.4470

 143.1193, 0.3335,
0.4183

 47.8411, 0.3390,
0.4609


 178.5403, 0.3324,
0.4116

 33.7011, 0.3403,
0.4784


219.3706, 0.3314,
0.4058

 22.6641, 0.3412,
0.5010

265.9948, 0.3304,
0.4007

 14.3456, 0.3409,
0.5307

318.7971, 0.3296,
0.3963

 8.3615, 0.3374,
0.5711

378.1620, 0.3288,

 4.3271, 0.3370,

0.3924

0.6490

444.4739, 0.3280,
0.3889

■ 1.8582, 0.2922,
0.7078

■ 0.5230, 0.0000,
1.0000

■ 86.9678, 0.3361,
0.4356

■ 86.9678, 0.3361,
0.4356

■ 84.3844, 0.3405,
0.4660

■ 89.8835, 0.3306,
0.4054

■ 82.1285, 0.3434,
0.4953

■ 93.1559, 0.3245,
0.3764

■ 80.1800, 0.3443,
0.5219

■ 96.7947, 0.3180,
0.3492

■ 78.5203, 0.3430,
0.5441

100.0000, 0.3127,
0.3290

■ 77.1281, 0.3396,
0.5609

■ 75.9759, 0.3343,
0.5719

■ 75.7727, 0.3332,
0.5737

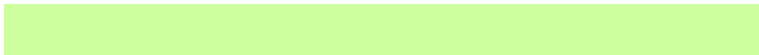
Harmonies

Analogous

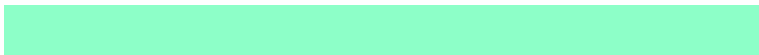
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9678, 0.3900, 0.4292



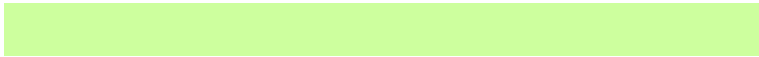
86.9678, 0.3361, 0.4356



86.9678, 0.2787, 0.4041

Triad

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



86.9678, 0.3361, 0.4356



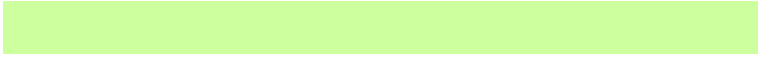
86.9678, 0.2103, 0.2511



86.9678, 0.3964, 0.3062

Complementary

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



86.9678, 0.3361, 0.4356



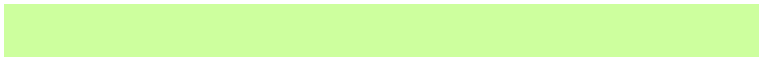
45.0685, 0.2790, 0.2235

Split Complementary

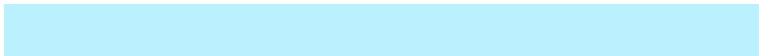
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.9678, 0.3402, 0.2679



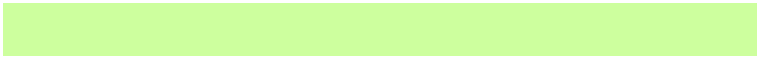
86.9678, 0.3361, 0.4356



86.9678, 0.2349, 0.2364

Square

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



86.9678, 0.3361, 0.4356



86.9678, 0.2095, 0.2891



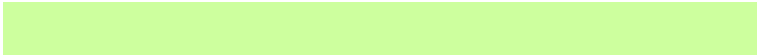
86.9678, 0.2807, 0.2431



86.9678, 0.4283, 0.3513

Rectangle

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



86.9678, 0.3361, 0.4356



86.9678, 0.2462, 0.3668



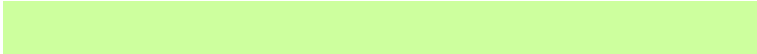
86.9678, 0.2807, 0.2431



86.9678, 0.3794, 0.2923

Sweetspot

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



86.9644, 0.3361, 0.4356



95.6836, 0.3199, 0.3570



68.1026, 0.3877, 0.3794



20.3731, 0.3208, 0.3607



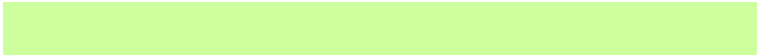
0.0000, 0.0000, 0.0000



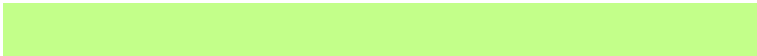
21.4041, 0.3127, 0.3290

Same Dimension

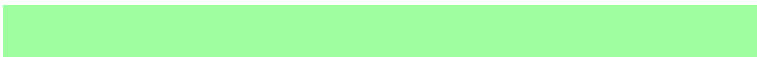
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9644, 0.3361, 0.4356



84.8872, 0.3397, 0.4598



81.2529, 0.3072, 0.4456



20.6000, 0.3189, 0.3530



39.6809, 0.3344, 0.5727



3.9283, 0.3430, 0.5659

Inverse Universe

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



45.0685, 0.2790, 0.2235



37.3385, 0.2698, 0.1998



52.9216, 0.3171, 0.2347



17.8381, 0.3060, 0.3050



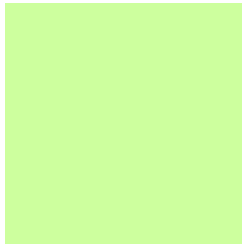
6.4015, 0.2051, 0.0904



0.6883, 0.2172, 0.0970

Previews

White Background



This preview shows how the Yxy color 86.9678, 0.3361, 0.4356 looks on a white background.

Color Contrast Check

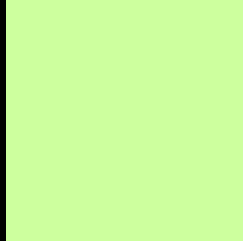
Large Text (above 18pt) WCAG AA × Fail

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 86.9678, 0.3361, 0.4356 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

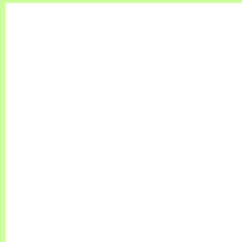
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.9678, 0.3361, 0.4356

Background



This preview shows how black text looks on a background with the Yxy color 86.9678, 0.3361, 0.4356.

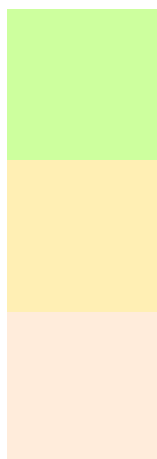


This preview shows how white text looks on a background with the Yxy color 86.9678, 0.3361, 0.4356.

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

86.9678, 0.3361, 0.4356

Protanopia

86.2883, 0.3615, 0.3883

Deuteranopia

86.3654, 0.3366, 0.3460



Tritanopia

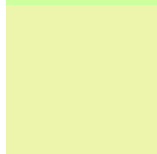
86.2993, 0.2950, 0.3148

Trichromacy



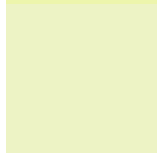
Original Color

86.9678, 0.3361, 0.4356



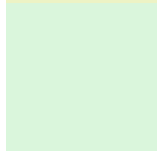
Protanomaly

86.2879, 0.3522, 0.4050



Deuteranomaly

86.1369, 0.3371, 0.3768



Tritanomaly

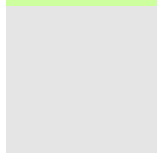
85.9843, 0.3101, 0.3566

Monochromacy



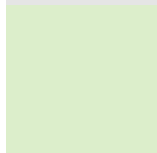
Original Color

86.9678, 0.3361, 0.4356



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.6765, 0.3223, 0.3669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.9678, 0.3361, 0.4356 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(205, 255, 158)` looks like.

```
.text, #text, p{  
    color:rgb(205, 255, 158)  
}
```

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(205, 255, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 255, 158) }
```

Border

The CSS property to change the border of an element to Yxy 86.9678, 0.3361, 0.4356 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(205, 255, 158) }
```

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

```
.border{ border-color:rgb(205, 255, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 255, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 255, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 255, 158);  
box-shadow:4px 4px 4px 4px rgb(205, 255,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9678, 0.3361, 0.4356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 255, 158) }
```

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

```
.background{ background-color: rgb(205,  
255, 158) }
```

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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