

Converting Colors

Yxy(86.5817, 0.3478, 0.4563)

Have a look what the booklet for
Yxy(86.5817, 0.3478, 0.4563)
contains.

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Color

Yxy(86.6204, 0.3478, 0.4559)

Conversions

Conversions Part 1

Format	Color
Hex	CFFF8A
RGB	207, 255, 138
RGB Percent	81%, 100%, 54%
CMY	0.1882, 0.0000, 0.4587
CMYK	0.19, 0.00, 0.46, 0.00
HSL	85°, 100%, 77%
HSV	85°, 46%, 100%
XYZ	66.0815, 86.6204, 37.2967
YIQ	227.3100, 8.9490, -46.5630

Conversions

Conversions Part 2

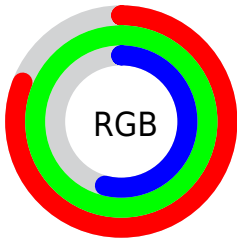
Format	Color
RYB	138, 255, 186
Decimal	13631370
CIELab	94.58, -33.68, 50.71
CIELCh	95, 60.877, 123.589
Yxy	86.6204, 0.3478, 0.4559
Android (android.graphics.Color)	4291821450 (0xFFCFFF8A)
YUV	227.3100, -44.0298, -17.8119
Hunter-Lab	93.0701, -36.1342, 41.3893

Details

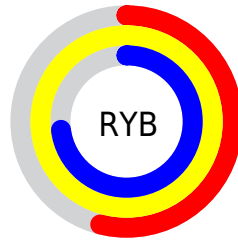
The Yxy color **86.6204, 0.3478, 0.4559** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **35.8544, 0.2601, 0.1967**, and the grayscale version is **77.3780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6303, 0.3496, 0.3900**, and **47.6234, 0.3524, 0.4850** is the 20% darker color. If you saturate the color by 10%, you get **84.5093, 0.3528, 0.4838**, and if you desaturate by 10%, it is **89.0068, 0.3413, 0.4269**.

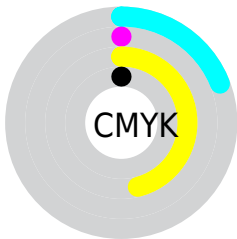
Distribution



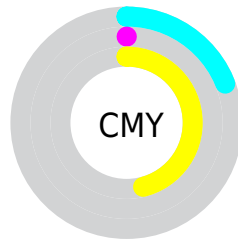
- Red (81%)
- Green (100%)
- Blue (54%)



- Red (54%)
- Yellow (100%)
- Blue (73%)



- Cyan (19%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.6204, 0.3478, 0.4559 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 86.6204, 0.3478, 0.4559 by changing the saturation by 10% instead.


 86.6204, 0.3478,
0.4559


 86.6204, 0.3478,
0.4559


516.9747, 0.3347,
0.3968

 65.1811, 0.3499,
0.4692


 142.6349, 0.3440,
0.4355

 47.6080, 0.3519,
0.4854


 177.9790, 0.3423,
0.4275

 33.5165, 0.3537,
0.5054


 218.7267, 0.3407,
0.4206

 22.5224, 0.3547,
0.5307

265.2625, 0.3393,
0.4146

 14.2413, 0.3536,
0.5630

317.9708, 0.3380,
0.4094

 8.2887, 0.3483,
0.6062


377.2360, 0.3368,


 4.2802, 0.3335,


0.4047


0.6665


443.4425, 0.3357,
0.4005


 1.8315, 0.2798,
0.7202


 0.5067, 0.0000,
1.0000


 86.6204, 0.3478,
0.4559


 86.6204, 0.3478,
0.4559


 84.5093, 0.3528,
0.4838

 89.0068, 0.3413,
0.4269


 82.6563, 0.3557,
0.5092

 91.6786, 0.3338,
0.3979

 81.0464, 0.3564,
0.5306

 94.6486, 0.3258,
0.3699

 79.6614, 0.3545,
0.5471

 97.9282, 0.3175,
0.3436

■ 78.4790, 0.3504,
0.5582

100.0000, 0.3127,
0.3290

■ 78.0365, 0.3483,
0.5616

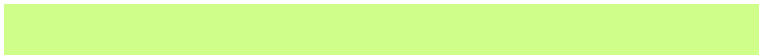
Harmonies

Analogous

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



86.6204, 0.4084, 0.4401



86.6204, 0.3478, 0.4559



86.6204, 0.2812, 0.4259

Triad

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



86.6204, 0.3478, 0.4559



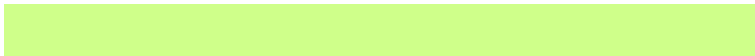
86.6204, 0.1939, 0.2431



86.6204, 0.4022, 0.2952

Complementary

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



86.6204, 0.3478, 0.4559



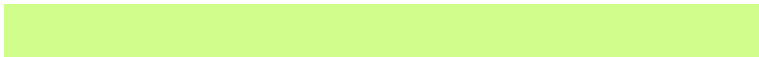
35.8544, 0.2601, 0.1967

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.



86.6204, 0.3341, 0.2540



86.6204, 0.3478, 0.4559



86.6204, 0.2178, 0.2237

Square

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



86.6204, 0.3478, 0.4559



86.6204, 0.1965, 0.2897



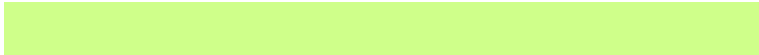
86.6204, 0.2666, 0.2285



86.6204, 0.4447, 0.3454

Rectangle

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



86.6204, 0.3478, 0.4559



86.6204, 0.2424, 0.3833



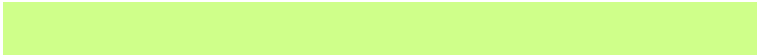
86.6204, 0.2666, 0.2285



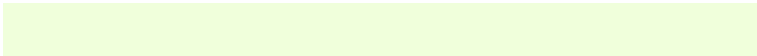
86.6204, 0.3811, 0.2801

Sweetspot

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



86.6214, 0.3478, 0.4559



95.2365, 0.3243, 0.3649



57.7216, 0.4134, 0.3779



20.2392, 0.3260, 0.3707



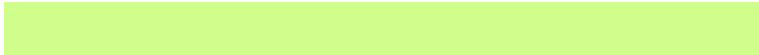
0.0000, 0.0000, 0.0000



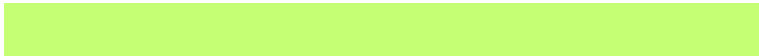
21.4041, 0.3127, 0.3290

Same Dimension

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



86.6214, 0.3478, 0.4559



84.6816, 0.3524, 0.4815



79.8156, 0.3122, 0.4712



20.6974, 0.3205, 0.3529



40.8653, 0.3494, 0.5608



4.0429, 0.3572, 0.5546

Inverse Universe

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



35.8544, 0.2601, 0.1967



28.2306, 0.2464, 0.1687



44.5185, 0.3079, 0.2135



17.7418, 0.3043, 0.3049



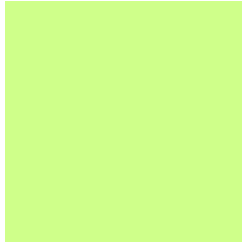
5.4133, 0.1859, 0.0798



0.5891, 0.1985, 0.0867

Previews

White Background



This preview shows how the Yxy color 86.6204, 0.3478, 0.4559 looks on a white background.

Color Contrast Check

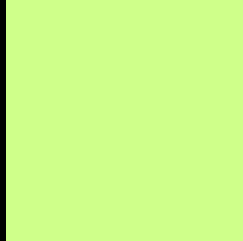
Large Text (above 18pt) WCAG AA × Fail

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 86.6204, 0.3478, 0.4559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

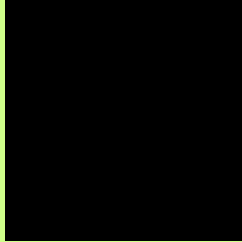
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.6204, 0.3478, 0.4559

Background



This preview shows how black text looks on a background with the Yxy color 86.6204, 0.3478, 0.4559.

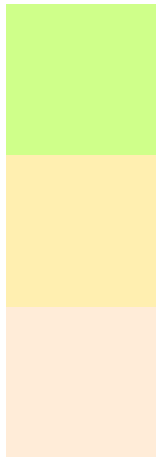


This preview shows how white text looks on a background with the Yxy color 86.6204, 0.3478, 0.4559.

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

86.6204, 0.3478, 0.4559

Protanopia

86.1276, 0.3641, 0.3923

Deuteranopia

86.2088, 0.3385, 0.3490



Tritanopia

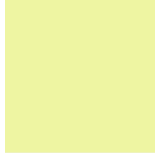
86.6246, 0.2962, 0.3148

Trichromacy



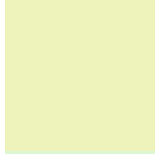
Original Color

86.6204, 0.3478, 0.4559



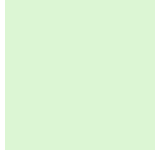
Protanomaly

86.0906, 0.3589, 0.4151



Deuteranomaly

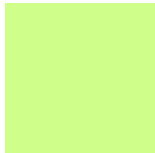
85.9092, 0.3434, 0.3862



Tritanomaly

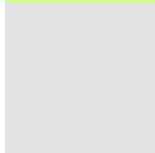
85.8806, 0.3162, 0.3652

Monochromacy



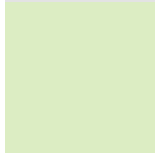
Original Color

86.6204, 0.3478, 0.4559



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.7241, 0.3274, 0.3748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.6204, 0.3478, 0.4559 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(207, 255, 138)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 138)  
}
```

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(207, 255, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 138) }
```

Border

The CSS property to change the border of an element to Yxy 86.6204, 0.3478, 0.4559 is called "border". The border property can be set on classes, ids or directly on the HTML element.

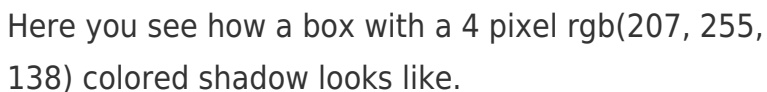
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 255, 138) }
```

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

```
.border{ border-color:rgb(207, 255, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 255, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(207, 255, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(207, 255, 138); box-shadow:4px 4px 4px 4px rgb(207, 255, 138) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6204, 0.3478, 0.4559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 138) }
```

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

```
.background{ background-color: rgb(207,  
255, 138) }
```

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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