

Converting Colors

Yxy(97.4810, 0.3356, 0.4959)

Have a look what the booklet for
Yxy(97.4810, 0.3356, 0.4959)
contains.

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Color

Yxy(82.9433, 0.3405, 0.4814)

Conversions

Conversions Part 1

Format	Color
Hex	B7FF78
RGB	183, 255, 120
RGB Percent	72%, 100%, 47%
CMY	0.2826, 0.0000, 0.5294
CMYK	0.28, 0.00, 0.53, 0.00
HSL	92°, 100%, 74%
HSV	92°, 53%, 100%
XYZ	58.6668, 82.9433, 30.6859
YIQ	218.0820, 0.4230, -57.2490

Conversions

Conversions Part 2

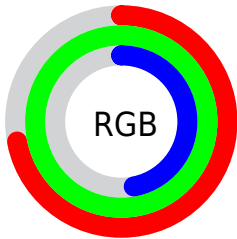
Format	Color
RYB	120, 255, 192
Decimal	12058488
CIELab	92.99, -44.07, 56.79
CIElCh	93, 71.878, 127.811
Yxy	82.9433, 0.3405, 0.4814
Android (android.graphics.Color)	4290248568 (0xFFB7FF78)
YUV	218.0820, -48.3544, -30.7669
Hunter-Lab	91.0732, -44.3935, 43.7743

Details

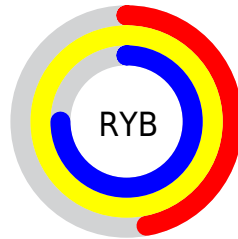
The Yxy color **82.9433, 0.3405, 0.4814** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **31.8683, 0.2633, 0.1804**, and the grayscale version is **70.4954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4924, 0.3514, 0.4101**, and **45.2171, 0.3411, 0.5179** is the 20% darker color. If you saturate the color by 10%, you get **80.8078, 0.3422, 0.5099**, and if you desaturate by 10%, it is **85.3890, 0.3371, 0.4510**.

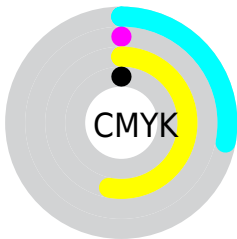
Distribution



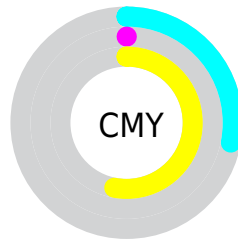
- Red (72%)
- Green (100%)
- Blue (47%)



- Red (47%)
- Yellow (100%)
- Blue (75%)



- Cyan (28%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)




- Cyan (28%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.9433, 0.3405, 0.4814 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 82.9433, 0.3405, 0.4814 by changing the saturation by 10% instead.


 82.9433, 0.3405,
0.4814

 82.9433, 0.3405,
0.4814


504.7975, 0.3320,
0.4091


 62.1434, 0.3412,
0.4978


 137.4960, 0.3385,
0.4563

 45.1486, 0.3413,
0.5178


 172.0177, 0.3375,
0.4465

 31.5745, 0.3403,
0.5426


 211.8820, 0.3364,
0.4381

 21.0367, 0.3371,
0.5738

257.4733, 0.3354,
0.4308

 13.1508, 0.3293,
0.6132

309.1762, 0.3345,
0.4244

 7.5325, 0.3200,
0.6794


367.3749, 0.3336,


 3.7973, 0.2763,

0.4187

0.7237

432.4539, 0.3328,
0.4137


 1.5608, 0.1572,
0.8428


 0.3310, 0.0000,
1.0000


 82.9433, 0.3405,
0.4814

 82.9433, 0.3405,
0.4814


 80.8078, 0.3422,
0.5099


 85.3890, 0.3371,
0.4510

 78.9886, 0.3418,
0.5348


 88.1853, 0.3324,
0.4203

 77.4574, 0.3393,
0.5548

 91.3392, 0.3268,
0.3905

 76.1905, 0.3348,
0.5688

 94.8647, 0.3208,
0.3623

 75.4331, 0.3308,
0.5756

 98.7750, 0.3145,
0.3362

100.0000, 0.3127,
0.3290

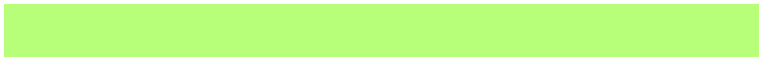
Harmonies

Analogous

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



82.9433, 0.4145, 0.4644



82.9433, 0.3405, 0.4814



82.9433, 0.2633, 0.4380

Triad

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



82.9433, 0.3405, 0.4814



82.9433, 0.1767, 0.2223



82.9433, 0.4295, 0.2959

Complementary

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



82.9433, 0.3405, 0.4814



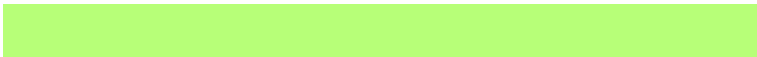
31.8683, 0.2633, 0.1804

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.



82.9433, 0.3495, 0.2471



82.9433, 0.3405, 0.4814



82.9433, 0.2078, 0.2055

Square

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



82.9433, 0.3405, 0.4814



82.9433, 0.1748, 0.2707



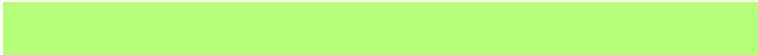
82.9433, 0.2676, 0.2151



82.9433, 0.4735, 0.3537

Rectangle

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



82.9433, 0.3405, 0.4814



82.9433, 0.2206, 0.3817



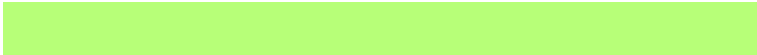
82.9433, 0.2676, 0.2151



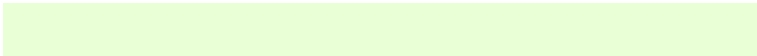
82.9433, 0.4053, 0.2783

Sweetspot

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



82.9353, 0.3405, 0.4814



93.7460, 0.3227, 0.3707



60.3155, 0.4236, 0.4025



19.9087, 0.3239, 0.3765



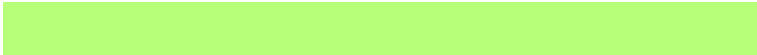
0.0000, 0.0000, 0.0000



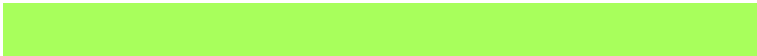
21.4041, 0.3127, 0.3290

Same Dimension

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



82.9353, 0.3405, 0.4814



80.6009, 0.3423, 0.5127



76.9811, 0.3029, 0.4942



20.5831, 0.3186, 0.3531



39.5023, 0.3320, 0.5746



3.9105, 0.3407, 0.5677

Inverse Universe

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



31.8683, 0.2633, 0.1804



24.4139, 0.2495, 0.1507



41.6267, 0.3226, 0.2057



17.8552, 0.3063, 0.3050



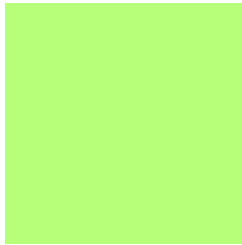
6.6029, 0.2088, 0.0924



0.7079, 0.2207, 0.0990

Previews

White Background



This preview shows how the Yxy color 82.9433, 0.3405, 0.4814 looks on a white background.

Color Contrast Check

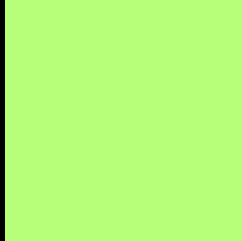
Large Text (above 18pt) WCAG AA × Fail

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 82.9433, 0.3405, 0.4814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

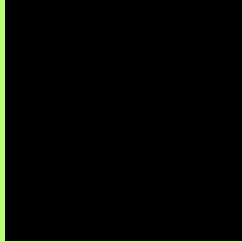
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.9433, 0.3405, 0.4814

Background



This preview shows how black text looks on a background with the Yxy color 82.9433, 0.3405, 0.4814.

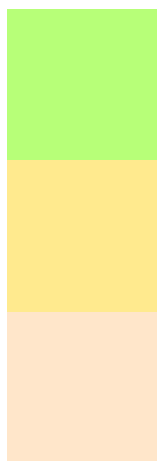


This preview shows how white text looks on a background with the Yxy color 82.9433, 0.3405, 0.4814.

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

82.9433, 0.3405, 0.4814

Protanopia

82.0586, 0.3873, 0.4207

Deuteranopia

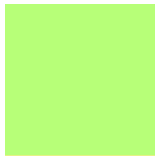
82.1179, 0.3490, 0.3573



Tritanopia

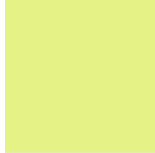
82.5083, 0.2846, 0.3122

Trichromacy



Original Color

82.9433, 0.3405, 0.4814



Protanomaly

81.8835, 0.3695, 0.4426



Deuteranomaly

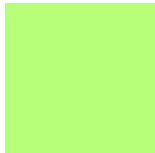
81.3696, 0.3479, 0.4008



Tritanomaly

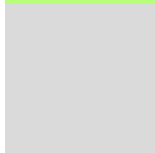
82.0404, 0.3069, 0.3724

Monochromacy



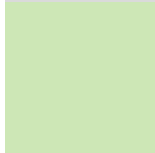
Original Color

82.9433, 0.3405, 0.4814



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.5084, 0.3259, 0.3851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9433, 0.3405, 0.4814 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(183, 255, 120)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 120)  
}
```

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(183, 255, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 120) }
```

Border

The CSS property to change the border of an element to Yxy 82.9433, 0.3405, 0.4814 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(183, 255, 120) }
```

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

```
.border{ border-color:rgb(183, 255, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 255, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 255, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 255, 120);  
box-shadow:4px 4px 4px 4px rgb(183, 255,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9433, 0.3405, 0.4814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 255, 120) }
```

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

```
.background{ background-color: rgb(183,  
255, 120) }
```

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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