

Converting Colors

$Y_{xy}(100.0000, 0.3271, 0.4692)$

Have a look what the booklet for
Yxy(100.0000, 0.3271, 0.4692)
contains.

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Color

Yxy(84.3180, 0.3308, 0.4516)

Conversions

Conversions Part 1

Format	Color
Hex	BCFF93
RGB	188, 255, 147
RGB Percent	74%, 100%, 58%
CMY	0.2628, 0.0000, 0.4235
CMYK	0.26, 0.00, 0.42, 0.00
HSL	97°, 100%, 79%
HSV	97°, 42%, 100%
XYZ	61.7635, 84.3180, 40.6280
YIQ	222.6550, -5.2640, -47.7920

Conversions

Conversions Part 2

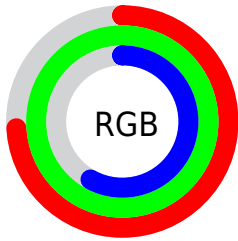
Format	Color
RYB	147, 255, 214
Decimal	12386195
CIELab	93.59, -39.28, 44.96
CIElCh	94, 59.705, 131.146
Yxy	84.3180, 0.3308, 0.4516
Android (android.graphics.Color)	4290576275 (0xFFBCFF93)
YUV	222.6550, -37.2979, -30.3924
Hunter-Lab	91.8248, -40.6303, 38.0445

Details

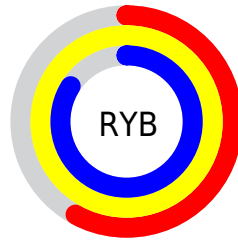
The Yxy color **84.3180, 0.3308, 0.4516** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **42.3922, 0.2833, 0.2136**, and the grayscale version is **73.8039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3771, 0.3382, 0.3821**, and **46.1019, 0.3317, 0.4820** is the 20% darker color. If you saturate the color by 10%, you get **81.7020, 0.3330, 0.4833**, and if you desaturate by 10%, it is **87.3290, 0.3274, 0.4199**.

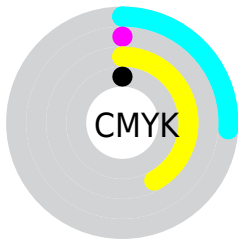
Distribution



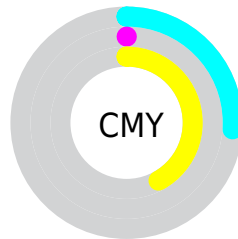
- Red (74%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (84%)



- Cyan (26%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.3180, 0.3308, 0.4516 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 84.3180, 0.3308, 0.4516 by changing the saturation by 10% instead.

 84.3180, 0.3308,
0.4516


 84.3180, 0.3308,
0.4516


509.3686, 0.3251,
0.3935

 63.2780, 0.3314,
0.4650


 139.4199, 0.3294,
0.4313

 46.0662, 0.3317,
0.4815


 174.2507, 0.3287,
0.4234

 32.2980, 0.3315,
0.5023


214.4471, 0.3280,
0.4167

 21.5892, 0.3301,
0.5291

260.3936, 0.3273,
0.4108

 13.5554, 0.3261,
0.5646

312.4746, 0.3267,
0.4057

 7.8121, 0.3165,
0.6125


371.0746, 0.3261,


 3.9749, 0.3024,


0.4011


0.6976


436.5778, 0.3256,
0.3971


 1.6596, 0.2210,
0.7790


 0.3973, 0.0000,
1.0000

 84.3180, 0.3308,
0.4516

 84.3180, 0.3308,
0.4516


 81.7020, 0.3330,
0.4833


 87.3290, 0.3274,
0.4199

 79.4663, 0.3336,
0.5133

 90.7567, 0.3233,
0.3894

 77.5887, 0.3325,
0.5399

 94.6161, 0.3187,
0.3608

 76.0459, 0.3295,
0.5612

 98.9227, 0.3139,
0.3348

■ 74.8112, 0.3248,
0.5762

100.0000, 0.3127,
0.3290

■ 74.0477, 0.3205,
0.5837

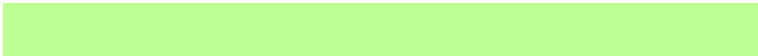
Harmonies

Analogous

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



84.3180, 0.3939, 0.4464



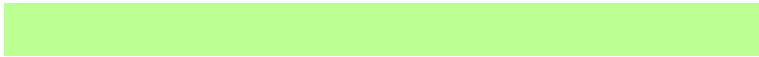
84.3180, 0.3308, 0.4516



84.3180, 0.2662, 0.4104

Triad

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



84.3180, 0.3308, 0.4516



84.3180, 0.1985, 0.2367



84.3180, 0.4152, 0.3076

Complementary

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



84.3180, 0.3308, 0.4516



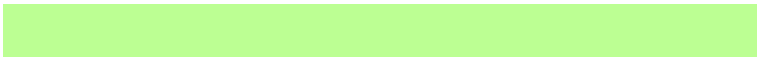
42.3922, 0.2833, 0.2136

Split Complementary

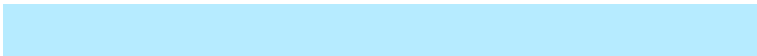
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.3180, 0.3518, 0.2637



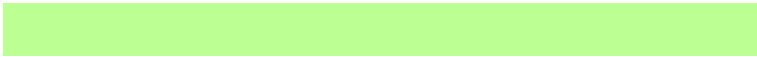
84.3180, 0.3308, 0.4516



84.3180, 0.2286, 0.2237

Square

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



84.3180, 0.3308, 0.4516



84.3180, 0.1943, 0.2760



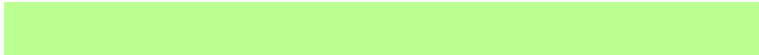
84.3180, 0.2826, 0.2340



84.3180, 0.4476, 0.3585

Rectangle

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



84.3180, 0.3308, 0.4516



84.3180, 0.2310, 0.3645



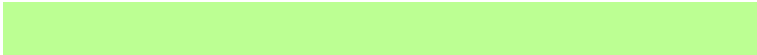
84.3180, 0.2826, 0.2340



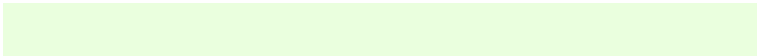
84.3180, 0.3964, 0.2918

Sweetspot

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



84.3166, 0.3308, 0.4516



94.3508, 0.3190, 0.3626



71.2606, 0.3928, 0.3973



20.0059, 0.3200, 0.3688



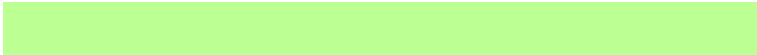
0.0000, 0.0000, 0.0000



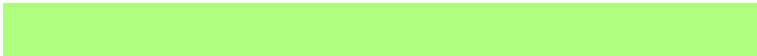
21.4041, 0.3127, 0.3290

Same Dimension

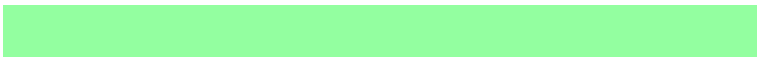
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3166, 0.3308, 0.4516



82.0318, 0.3328, 0.4791



80.2489, 0.3005, 0.4456



20.5039, 0.3173, 0.3532



38.7702, 0.3217, 0.5828



3.8352, 0.3304, 0.5759

Inverse Universe

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



42.3922, 0.2833, 0.2136



34.9473, 0.2752, 0.1896



48.5667, 0.3282, 0.2352



17.9360, 0.3077, 0.3051



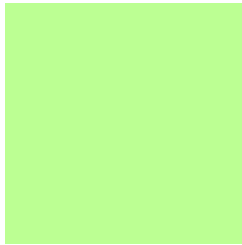
7.6724, 0.2276, 0.1027



0.8097, 0.2381, 0.1085

Previews

White Background



This preview shows how the Yxy color 84.3180, 0.3308, 0.4516 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 84.3180, 0.3308, 0.4516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

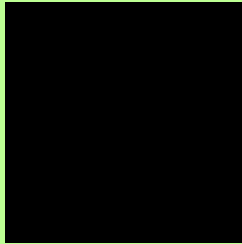
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.3180, 0.3308, 0.4516

Background



This preview shows how black text looks on a background with the Yxy color 84.3180, 0.3308, 0.4516.

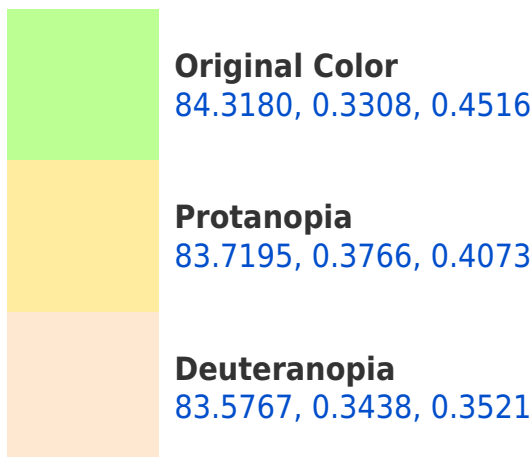


This preview shows how white text looks on a background with the Yxy color 84.3180, 0.3308, 0.4516.

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





Tritanopia

83.8363, 0.2876, 0.3134

Trichromacy



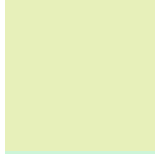
Original Color

84.3180, 0.3308, 0.4516



Protanomaly

83.4232, 0.3592, 0.4230



Deuteranomaly

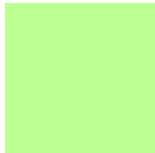
82.8543, 0.3403, 0.3864



Tritanomaly

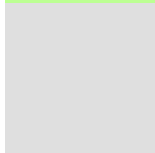
83.2418, 0.3043, 0.3607

Monochromacy



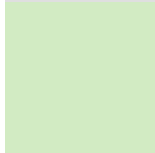
Original Color

84.3180, 0.3308, 0.4516



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.0584, 0.3207, 0.3737

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3180, 0.3308, 0.4516 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(188, 255, 147)` looks like.

```
.text, #text, p{  
    color:rgb(188, 255, 147)  
}
```

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(188, 255, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 255, 147) }
```

Border

The CSS property to change the border of an element to Yxy 84.3180, 0.3308, 0.4516 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(188, 255, 147) }
```

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

```
.border{ border-color:rgb(188, 255, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 255, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 255, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 255, 147);  
box-shadow:4px 4px 4px 4px rgb(188, 255,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3180, 0.3308, 0.4516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 255, 147) }
```

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

```
.background{ background-color: rgb(188,  
255, 147) }
```

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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