

Converting Colors

$Y_{xy}(100.0000, 0.3252, 0.4646)$

Have a look what the booklet for
Yxy(100.0000, 0.3252, 0.4646)
contains.

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Color

Yxy(84.4784, 0.3283, 0.4461)

Conversions

Conversions Part 1

Format	Color
Hex	BCFF98
RGB	188, 255, 152
RGB Percent	74%, 100%, 60%
CMY	0.2626, 0.0000, 0.4040
CMYK	0.26, 0.00, 0.40, 0.00
HSL	99°, 100%, 80%
HSV	99°, 40%, 100%
XYZ	62.1705, 84.4784, 42.7221
YIQ	223.2250, -6.8690, -46.2370

Conversions

Conversions Part 2

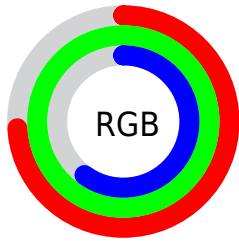
Format	Color
RYB	152, 255, 219
Decimal	12386200
CIELab	93.66, -38.63, 42.65
CIElCh	94, 57.545, 132.174
Yxy	84.4784, 0.3283, 0.4461
Android (android.graphics.Color)	4290576280 (0xFFBCFF98)
YUV	223.2250, -35.1139, -30.8923
Hunter-Lab	91.9121, -40.1066, 36.7796

Details

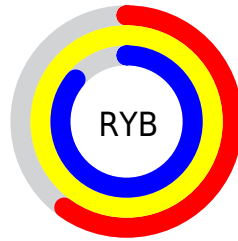
The Yxy color **84.4784, 0.3283, 0.4461** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.7184, 0.2875, 0.2199**, and the grayscale version is **74.2228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6178, 0.3352, 0.3770**, and **46.1946, 0.3289, 0.4753** is the 20% darker color. If you saturate the color by 10%, you get **81.7480, 0.3303, 0.4783**, and if you desaturate by 10%, it is **87.6366, 0.3252, 0.4142**.

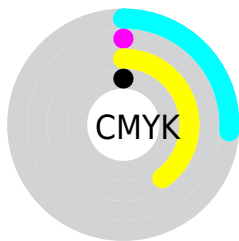
Distribution



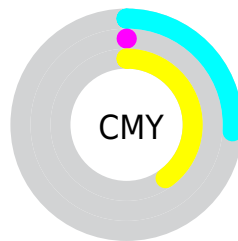
- Red (74%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (86%)



- Cyan (26%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.4784, 0.3283, 0.4461 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 84.4784, 0.3283, 0.4461 by changing the saturation by 10% instead.


 84.4784, 0.3283,
0.4461


 84.4784, 0.3283,
0.4461

509.9005, 0.3234,
0.3906

 63.4105, 0.3288,
0.4589


 139.6442, 0.3271,
0.4267

 46.1734, 0.3290,
0.4748


 174.5109, 0.3265,
0.4192

 32.3827, 0.3287,
0.4947


214.7459, 0.3259,
0.4127

 21.6539, 0.3273,
0.5206

260.7337, 0.3254,
0.4071

 13.6028, 0.3237,
0.5551

312.8587, 0.3248,
0.4022

 7.8450, 0.3150,
0.6021

371.5052, 0.3243,

 3.9959, 0.3059,

0.3979

0.6941

437.0577, 0.3239,
0.3940

■ 1.6713, 0.2281,
0.7719

■ 0.4050, 0.0000,
1.0000

■ 84.4784, 0.3283,
0.4461

■ 84.4784, 0.3283,
0.4461

■ 81.7480, 0.3303,
0.4783

■ 87.6366, 0.3252,
0.4142

■ 79.4161, 0.3309,
0.5093

■ 91.2313, 0.3214,
0.3838

■ 77.4641, 0.3299,
0.5371

■ 95.2829, 0.3173,
0.3556

■ 75.8682, 0.3271,
0.5599

■ 99.8076, 0.3129,
0.3300

■ 74.6008, 0.3227,
0.5762

100.0000, 0.3127,
0.3290

■ 73.6563, 0.3175,
0.5861

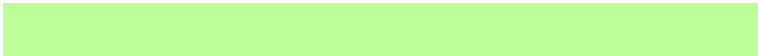
Harmonies

Analogous

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



84.4784, 0.3896, 0.4431



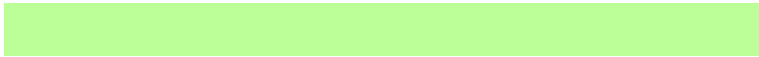
84.4784, 0.3283, 0.4461



84.4784, 0.2660, 0.4051

Triad

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



84.4784, 0.3283, 0.4461



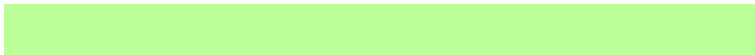
84.4784, 0.2027, 0.2390



84.4784, 0.4131, 0.3102

Complementary

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



84.4784, 0.3283, 0.4461



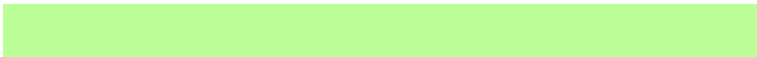
44.7184, 0.2875, 0.2199

Split Complementary

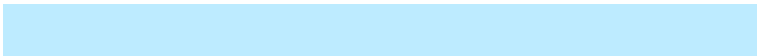
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.4784, 0.3528, 0.2672



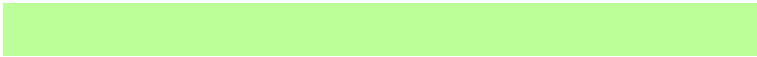
84.4784, 0.3283, 0.4461



84.4784, 0.2329, 0.2271

Square

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



84.4784, 0.3283, 0.4461



84.4784, 0.1978, 0.2764



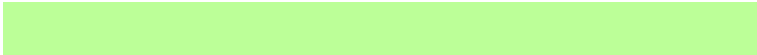
84.4784, 0.2859, 0.2377



84.4784, 0.4430, 0.3597

Rectangle

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



84.4784, 0.3283, 0.4461



84.4784, 0.2324, 0.3609



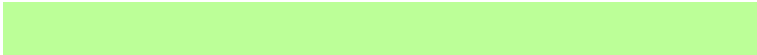
84.4784, 0.2859, 0.2377



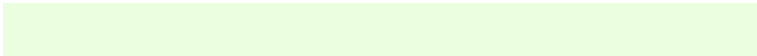
84.4784, 0.3953, 0.2947

Sweetspot

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



84.4816, 0.3283, 0.4461



94.6045, 0.3179, 0.3599



73.2671, 0.3878, 0.3958



20.1324, 0.3185, 0.3635



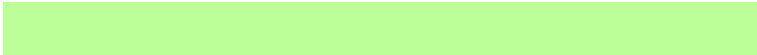
0.0000, 0.0000, 0.0000



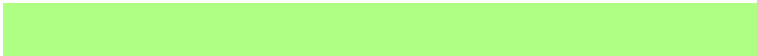
21.4041, 0.3127, 0.3290

Same Dimension

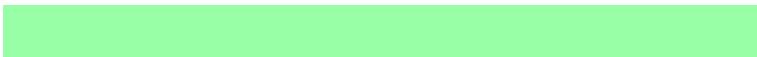
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4816, 0.3283, 0.4461



82.3674, 0.3299, 0.4706



80.9353, 0.3001, 0.4372



20.4773, 0.3169, 0.3532



38.5619, 0.3186, 0.5852



3.8128, 0.3272, 0.5784

Inverse Universe

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



44.7184, 0.2875, 0.2199



37.9065, 0.2811, 0.1989



50.0743, 0.3288, 0.2408



17.9636, 0.3082, 0.3052



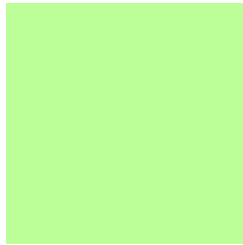
8.0809, 0.2343, 0.1064



0.8478, 0.2442, 0.1119

Previews

White Background



This preview shows how the Yxy color 84.4784, 0.3283, 0.4461 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 84.4784, 0.3283, 0.4461 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 84.4784, 0.3283, 0.4461

Background



This preview shows how black text looks on a background with the Yxy color 84.4784, 0.3283, 0.4461.

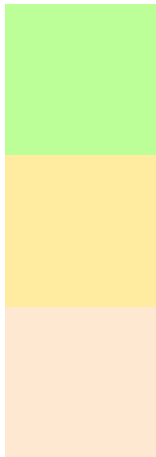


This preview shows how white text looks on a background with the Yxy color 84.4784, 0.3283, 0.4461.

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

84.4784, 0.3283, 0.4461

Protanopia

83.7890, 0.3753, 0.4053

Deuteranopia

83.6264, 0.3432, 0.3511



Tritanopia

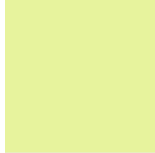
83.8363, 0.2876, 0.3134

Trichromacy



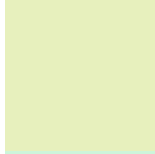
Original Color

84.4784, 0.3283, 0.4461



Protanomaly

83.5244, 0.3574, 0.4200



Deuteranomaly

82.9832, 0.3384, 0.3831



Tritanomaly

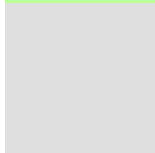
83.3459, 0.3031, 0.3584

Monochromacy



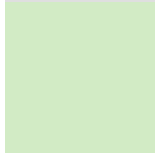
Original Color

84.4784, 0.3283, 0.4461



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.1495, 0.3195, 0.3714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.4784, 0.3283, 0.4461 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(188, 255, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 255, 152) }
```

Border

The CSS property to change the border of an element to Yxy 84.4784, 0.3283, 0.4461 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, 152) }
```

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

```
.border{ border-color:rgb(188, 255, 152) }
```

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, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 255, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 255, 152);  
box-shadow:4px 4px 4px 4px rgb(188, 255,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4784, 0.3283, 0.4461 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, 152) }
```

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

```
.background{ background-color: rgb(188,  
255, 152) }
```

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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