

Converting Colors

$Yxy(83.7796, 0.3142, 0.4292)$

Have a look what the booklet for
Yxy(83.7796, 0.3142, 0.4292)
contains.

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Color

Yxy(83.9309, 0.3144, 0.4296)

Conversions

Conversions Part 1

Format	Color
Hex	B3FFA8
RGB	179, 255, 168
RGB Percent	70%, 100%, 66%
CMY	0.2979, 0.0000, 0.3411
CMYK	0.30, 0.00, 0.34, 0.00
HSL	112°, 100%, 83%
HSV	112°, 34%, 100%
XYZ	61.4243, 83.9309, 50.0147
YIQ	222.3580, -17.3690, -43.1690

Conversions

Conversions Part 2

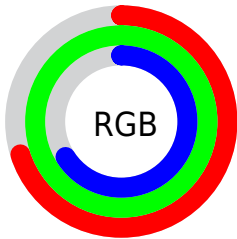
Format	Color
RYB	168, 255, 244
Decimal	11796392
CIELab	93.42, -39.35, 34.34
CIElCh	93, 52.231, 138.892
Yxy	83.9309, 0.3144, 0.4296
Android (android.graphics.Color)	4289986472 (0xFFB3FFA8)
YUV	222.3580, -26.7985, -38.0250
Hunter-Lab	91.6138, -40.6453, 31.7615

Details

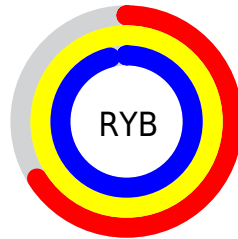
The Yxy color **83.9309, 0.3144, 0.4296** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **54.4609, 0.3079, 0.2417**, and the grayscale version is **73.5225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9063, 0.3194, 0.3602**, and **45.9111, 0.3131, 0.4549** is the 20% darker color. If you saturate the color by 10%, you get **80.6319, 0.3141, 0.4643**, and if you desaturate by 10%, it is **87.8520, 0.3143, 0.3966**.

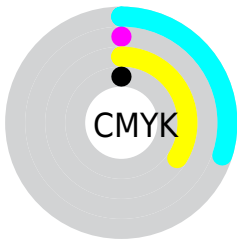
Distribution



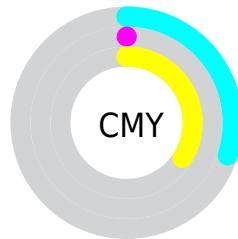
- Red (70%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (96%)



- Cyan (30%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.9309, 0.3144, 0.4296 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 83.9309, 0.3144, 0.4296 by changing the saturation by 10% instead.

 83.9309, 0.3144,
0.4296

 83.9309, 0.3144,
0.4296

508.0837, 0.3152,
0.3817

 62.9584, 0.3138,
0.4408


 138.8785, 0.3150,
0.4128

 45.8075, 0.3128,
0.4547


173.6224, 0.3151,
0.4063

 32.0940, 0.3113,
0.4724


213.7255, 0.3152,
0.4007

 21.4333, 0.3086,
0.4957

259.5723, 0.3153,
0.3959

 13.4411, 0.3039,
0.5274

311.5471, 0.3153,
0.3917

 7.7330, 0.2949,
0.5725


370.0344, 0.3153,

 3.9246, 0.2802,


0.3880


0.6499


435.4185, 0.3152,
0.3847

 1.6315, 0.2167,
0.7833


 0.3787, 0.0000,
1.0000


 83.9309, 0.3144,
0.4296


 83.9309, 0.3144,
0.4296


 80.6319, 0.3141,
0.4643


 87.8520, 0.3143,
0.3966

 77.9128, 0.3132,
0.4992

 92.4136, 0.3138,
0.3663

 75.7428, 0.3116,
0.5318

 97.6467, 0.3131,
0.3392

 74.0840, 0.3095,
0.5598

99.9994, 0.3127,
0.3290

■ 72.8935, 0.3069,
0.5808

■ 72.1211, 0.3041,
0.5936

■ 71.8312, 0.3027,
0.5979

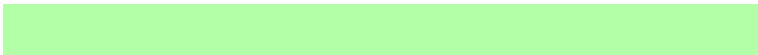
Harmonies

Analogous

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



83.9309, 0.3721, 0.4368



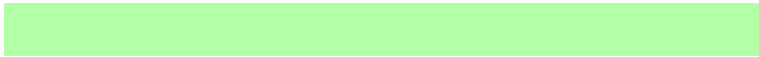
83.9309, 0.3144, 0.4296



83.9309, 0.2592, 0.3851

Triad

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



83.9309, 0.3144, 0.4296



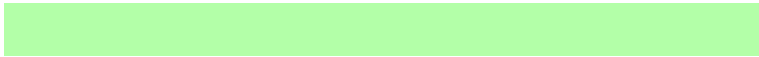
83.9309, 0.2157, 0.2421



83.9309, 0.4130, 0.3223

Complementary

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



83.9309, 0.3144, 0.4296



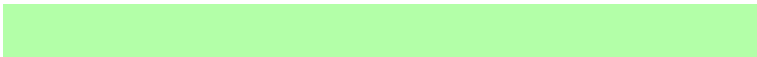
54.4609, 0.3079, 0.2417

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.



83.9309, 0.3630, 0.2803



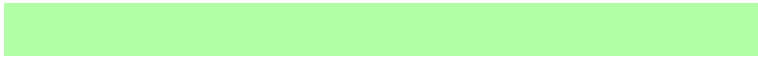
83.9309, 0.3144, 0.4296



83.9309, 0.2489, 0.2356

Square

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



83.9309, 0.3144, 0.4296



83.9309, 0.2059, 0.2717



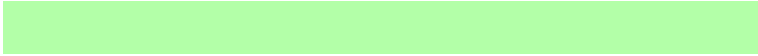
83.9309, 0.3017, 0.2496



83.9309, 0.4325, 0.3686

Rectangle

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



83.9309, 0.3144, 0.4296



83.9309, 0.2310, 0.3441



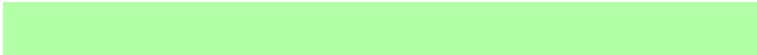
83.9309, 0.3017, 0.2496



83.9309, 0.3990, 0.3074

Sweetspot

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



83.9345, 0.3144, 0.4296



94.4832, 0.3135, 0.3548



88.4291, 0.3678, 0.4042



20.0692, 0.3136, 0.3587



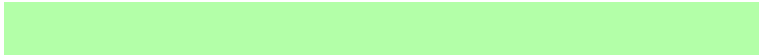
0.0000, 0.0000, 0.0000



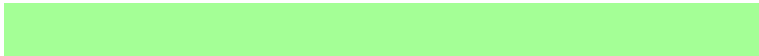
21.4041, 0.3127, 0.3290

Same Dimension

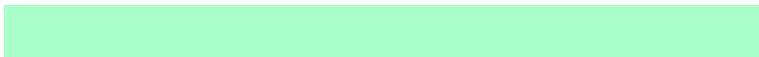
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9345, 0.3144, 0.4296



81.5961, 0.3142, 0.4534



84.0118, 0.2914, 0.3928



20.2783, 0.3135, 0.3534



37.5676, 0.3032, 0.5974



3.6908, 0.3086, 0.5931

Inverse Universe

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



54.4609, 0.3079, 0.2417



48.0114, 0.3064, 0.2244



54.6040, 0.3429, 0.2730



18.1768, 0.3118, 0.3054



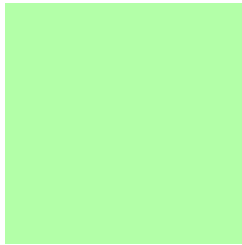
11.9914, 0.2891, 0.1366



1.1988, 0.2929, 0.1387

Previews

White Background



This preview shows how the Yxy color 83.9309, 0.3144, 0.4296 looks on a white background.

Color Contrast Check

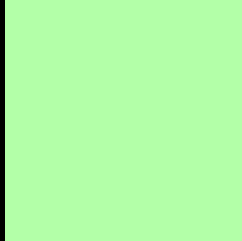
Large Text (above 18pt) WCAG AA × Fail

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 83.9309, 0.3144, 0.4296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

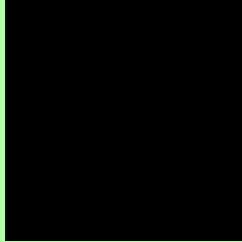
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.9309, 0.3144, 0.4296

Background



This preview shows how black text looks on a background with the Yxy color 83.9309, 0.3144, 0.4296.

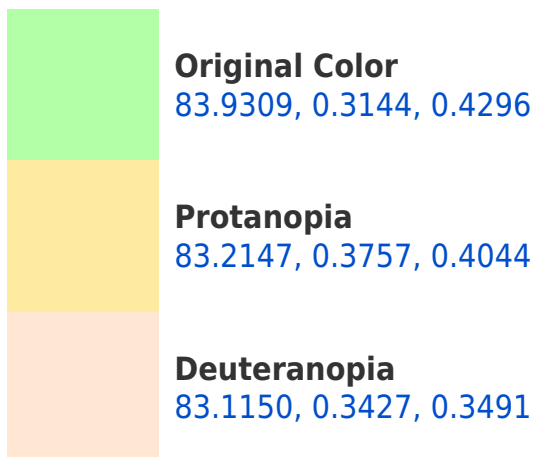


This preview shows how white text looks on a background with the Yxy color 83.9309, 0.3144, 0.4296.

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

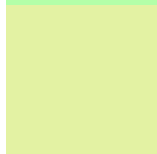
83.5405, 0.2841, 0.3143

Trichromacy



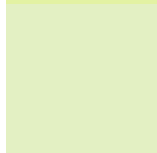
Original Color

83.9309, 0.3144, 0.4296



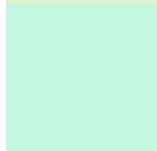
Protanomaly

82.4795, 0.3513, 0.4136



Deuteranomaly

82.5912, 0.3319, 0.3771



Tritanomaly

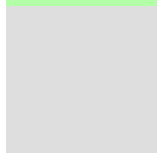
83.1096, 0.2954, 0.3542

Monochromacy



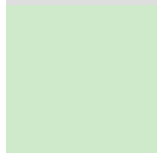
Original Color

83.9309, 0.3144, 0.4296



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.2317, 0.3137, 0.3649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9309, 0.3144, 0.4296 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(179, 255, 168)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 168)  
}
```

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(179, 255, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 168) }
```

Border

The CSS property to change the border of an element to Yxy 83.9309, 0.3144, 0.4296 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(179, 255, 168) }
```

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

```
.border{ border-color:rgb(179, 255, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 255, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 168);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9309, 0.3144, 0.4296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 168) }
```

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

```
.background{ background-color: rgb(179,  
255, 168) }
```

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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