

Converting Colors

$Yxy(86.2111, 0.3196, 0.4421)$

Have a look what the booklet for
Yxy(86.2111, 0.3196, 0.4421)
contains.

Yxy(83.8818, 0.3198, 0.4386)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(83.8818, 0.3198, 0.4386)

Conversions

Conversions Part 1

Format	Color
Hex	B5FFA0
RGB	181, 255, 160
RGB Percent	71%, 100%, 63%
CMY	0.2901, 0.0000, 0.3727
CMYK	0.29, 0.00, 0.37, 0.00
HSL	107°, 100%, 81%
HSV	107°, 37%, 100%
XYZ	61.1614, 83.8818, 46.2058
YIQ	222.0440, -13.6090, -45.2330

Conversions

Conversions Part 2

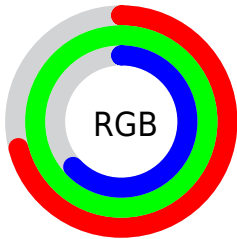
Format	Color
RYB	160, 255, 234
Decimal	11927456
CIELab	93.40, -39.88, 38.33
CIElCh	93, 55.310, 136.139
Yxy	83.8818, 0.3198, 0.4386
Android (android.graphics.Color)	4290117536 (0xFFB5FFA0)
YUV	222.0440, -30.5877, -35.9956
Hunter-Lab	91.5870, -41.0757, 34.1990

Details

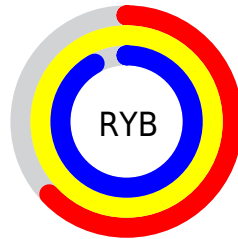
The Yxy color **83.8818, 0.3198, 0.4386** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.8307, 0.2999, 0.2316**, and the grayscale version is **73.3073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8286, 0.3253, 0.3684**, and **45.8097, 0.3187, 0.4664** is the 20% darker color. If you saturate the color by 10%, you get **80.8487, 0.3204, 0.4725**, and if you desaturate by 10%, it is **87.4416, 0.3184, 0.4058**.

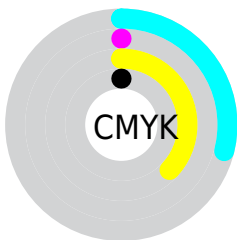
Distribution



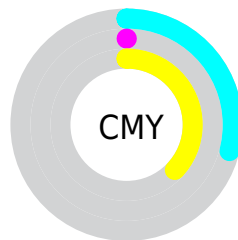
- Red (71%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (92%)



- Cyan (29%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8818, 0.3198, 0.4386 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 83.8818, 0.3198, 0.4386 by changing the saturation by 10% instead.


 83.8818, 0.3198,
0.4386

 83.8818, 0.3198,
0.4386


507.9206, 0.3185,
0.3864

 62.9179, 0.3196,
0.4508


 138.8098, 0.3198,
0.4203

 45.7748, 0.3190,
0.4658


 173.5427, 0.3196,
0.4132

 32.0681, 0.3179,
0.4850


213.6340, 0.3194,
0.4071

 21.4135, 0.3156,
0.5100

259.4681, 0.3193,
0.4019

 13.4266, 0.3110,
0.5439

311.4294, 0.3191,
0.3973

 7.7230, 0.3016,
0.5912


369.9024, 0.3189,


 3.9182, 0.2913,


0.3932


0.6841


435.2713, 0.3187,
0.3896

 1.6279, 0.2114,
0.7886


 0.3763, 0.0000,
1.0000


 83.8818, 0.3198,
0.4386


 83.8818, 0.3198,
0.4386


 80.8487, 0.3204,
0.4725

 87.4416, 0.3184,
0.4058

 78.3140, 0.3201,
0.5058

 91.5492, 0.3166,
0.3752

 76.2506, 0.3186,
0.5364

 96.2279, 0.3144,
0.3474

 74.6277, 0.3160,
0.5620

100.0000, 0.3127,
0.3290

■ 73.4103, 0.3124,
0.5808

■ 72.5568, 0.3083,
0.5921

■ 72.3753, 0.3072,
0.5943

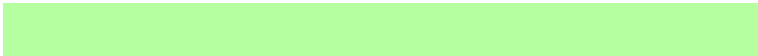
Harmonies

Analogous

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



83.8818, 0.3801, 0.4417



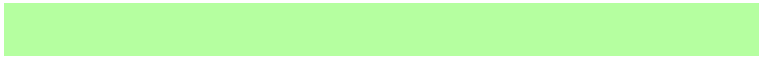
83.8818, 0.3198, 0.4386



83.8818, 0.2607, 0.3943

Triad

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



83.8818, 0.3198, 0.4386



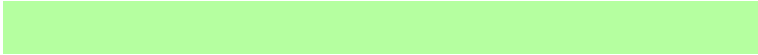
83.8818, 0.2087, 0.2392



83.8818, 0.4153, 0.3172

Complementary

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



83.8818, 0.3198, 0.4386



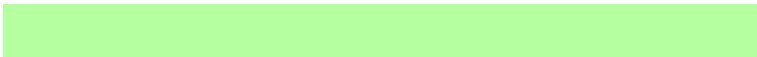
49.8307, 0.2999, 0.2316

Split Complementary

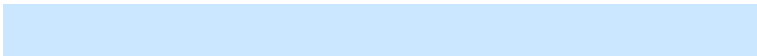
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.8818, 0.3600, 0.2741



83.8818, 0.3198, 0.4386



83.8818, 0.2412, 0.2305

Square

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



83.8818, 0.3198, 0.4386



83.8818, 0.2007, 0.2723



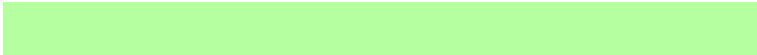
83.8818, 0.2951, 0.2434



83.8818, 0.4393, 0.3656

Rectangle

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



83.8818, 0.3198, 0.4386



83.8818, 0.2299, 0.3509



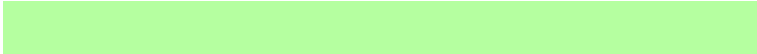
83.8818, 0.2951, 0.2434



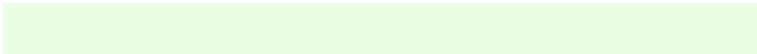
83.8818, 0.3994, 0.3019

Sweetspot

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



83.8827, 0.3198, 0.4386



94.4147, 0.3152, 0.3574



81.9750, 0.3765, 0.4025



20.0719, 0.3155, 0.3612



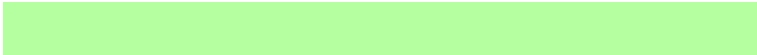
0.0000, 0.0000, 0.0000



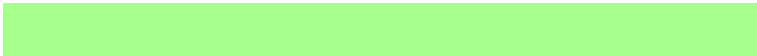
21.4041, 0.3127, 0.3290

Same Dimension

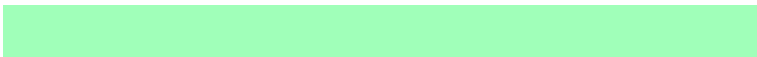
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8827, 0.3198, 0.4386



81.4928, 0.3203, 0.4648



82.5052, 0.2946, 0.4117



20.3621, 0.3149, 0.3533



37.8709, 0.3081, 0.5936



3.7330, 0.3153, 0.5878

Inverse Universe

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



49.8307, 0.2999, 0.2316



42.8020, 0.2961, 0.2114



52.0819, 0.3382, 0.2589



18.0855, 0.3102, 0.3053



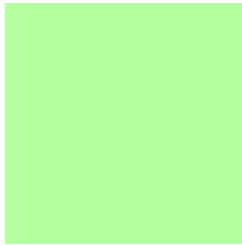
10.1504, 0.2653, 0.1235



1.0359, 0.2719, 0.1271

Previews

White Background



This preview shows how the Yxy color 83.8818, 0.3198, 0.4386 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 83.8818, 0.3198, 0.4386 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 83.8818, 0.3198, 0.4386

Background



This preview shows how black text looks on a background with the Yxy color 83.8818, 0.3198, 0.4386.

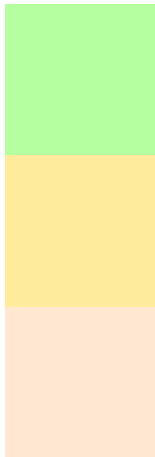


This preview shows how white text looks on a background with the Yxy color 83.8818, 0.3198, 0.4386.

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

83.8818, 0.3198, 0.4386

Protanopia

83.0432, 0.3788, 0.4093

Deuteranopia

83.0650, 0.3433, 0.3501



Tritanopia

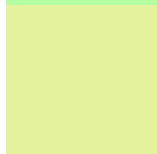
83.6859, 0.2847, 0.3143

Trichromacy



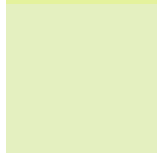
Original Color

83.8818, 0.3198, 0.4386



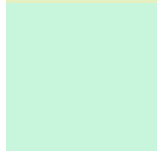
Protanomaly

82.4326, 0.3556, 0.4197



Deuteranomaly

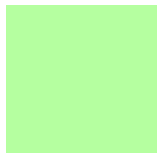
82.6199, 0.3345, 0.3803



Tritanomaly

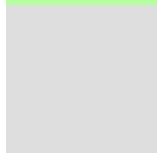
83.2210, 0.2983, 0.3575

Monochromacy



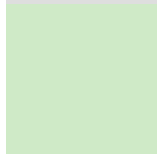
Original Color

83.8818, 0.3198, 0.4386



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.2346, 0.3163, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8818, 0.3198, 0.4386 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(181, 255, 160)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 160)  
}
```

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(181, 255, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 160) }
```

Border

The CSS property to change the border of an element to Yxy 83.8818, 0.3198, 0.4386 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(181, 255, 160) }
```

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

```
.border{ border-color:rgb(181, 255, 160) }
```

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

Here you see how a box with a 4 pixel rgb(181, 255, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8818, 0.3198, 0.4386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 160) }
```

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

```
.background{ background-color: rgb(181,  
255, 160) }
```

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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