

Converting Colors

$Yxy(83.2304, 0.3012, 0.4154)$

Have a look what the booklet for
Yxy(83.2304, 0.3012, 0.4154)
contains.

Yxy(83.1810, 0.3012, 0.4159)	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(83.1810, 0.3012, 0.4159)

Conversions

Conversions Part 1

Format	Color
Hex	A8FFB5
RGB	168, 255, 181
RGB Percent	66%, 100%, 71%
CMY	0.3413, 0.0000, 0.2903
CMYK	0.34, 0.00, 0.29, 0.00
HSL	129°, 100%, 83%
HSV	129°, 34%, 100%
XYZ	60.2407, 83.1810, 56.5807
YIQ	220.5510, -28.0980, -41.4580

Conversions

Conversions Part 2

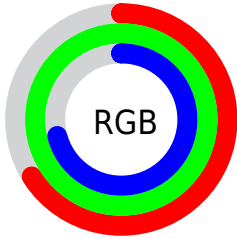
Format	Color
RYB	168, 244, 255
Decimal	11075509
CIELab	93.09, -40.74, 27.30
CIELCh	93, 49.041, 146.174
Yxy	83.1810, 0.3012, 0.4159
Android (android.graphics.Color)	4289265589 (0xFFA8FFB5)
YUV	220.5510, -19.4986, -46.0872
Hunter-Lab	91.2036, -41.7056, 27.0603

Details

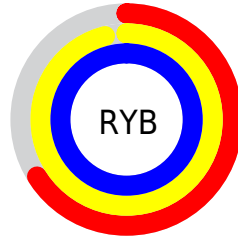
The Yxy color **83.1810, 0.3012, 0.4159** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.6626, 0.3270, 0.2554**, and the grayscale version is **72.1185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6420, 0.3045, 0.3473**, and **45.4574, 0.2973, 0.4374** is the 20% darker color. If you saturate the color by 10%, you get **79.8251, 0.2983, 0.4469**, and if you desaturate by 10%, it is **87.2143, 0.3045, 0.3870**.

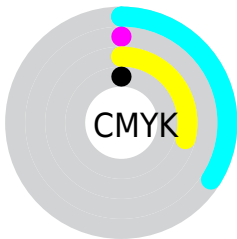
Distribution



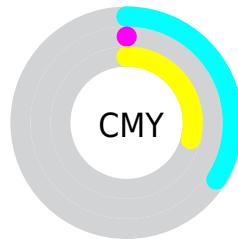
- Red (66%)
- Green (100%)
- Blue (71%)



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



- Cyan (34%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.1810, 0.3012, 0.4159 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 83.1810, 0.3012, 0.4159 by changing the saturation by 10% instead.


 83.1810, 0.3012,
0.4159

 83.1810, 0.3012,
0.4159


505.5895, 0.3076,
0.3744

 62.3395, 0.2995,
0.4256


 137.8289, 0.3036,
0.4013

 45.3071, 0.2972,
0.4378


172.4041, 0.3045,
0.3957

 31.6994, 0.2941,
0.4533


212.3260, 0.3052,
0.3909

 21.1320, 0.2897,
0.4739

257.9790, 0.3059,
0.3867

 13.2205, 0.2831,
0.5024

309.7474, 0.3064,
0.3831

 7.5806, 0.2721,
0.5438

368.0157, 0.3068,


 3.8278, 0.2522,


0.3799


0.6087


433.1683, 0.3072,
0.3770

 1.5777, 0.1954,
0.8046


 0.3425, 0.0000,
1.0000


 83.1810, 0.3012,
0.4159

 83.1810, 0.3012,
0.4159


 79.8251, 0.2983,
0.4469


 87.2143, 0.3045,
0.3870

 77.1227, 0.2959,
0.4789

 91.9755, 0.3079,
0.3609

 75.0266, 0.2944,
0.5104

 97.4926, 0.3113,
0.3377

 73.4891, 0.2939,
0.5394

100.0000, 0.3127,
0.3290

■ 72.4553, 0.2945,
0.5638

■ 71.8589, 0.2960,
0.5820

■ 71.6607, 0.2971,
0.5896

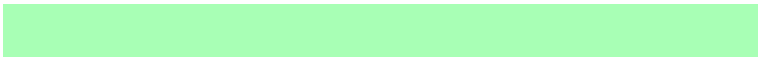
Harmonies

Analogous

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



83.1810, 0.3565, 0.4320



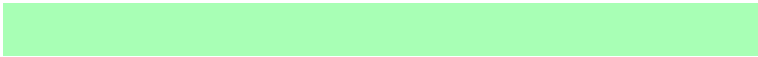
83.1810, 0.3012, 0.4159



83.1810, 0.2516, 0.3681

Triad

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



83.1810, 0.3012, 0.4159



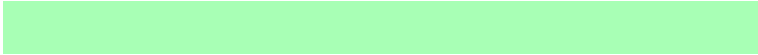
83.1810, 0.2265, 0.2433



83.1810, 0.4147, 0.3336

Complementary

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



83.1810, 0.3012, 0.4159



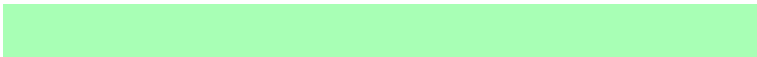
55.6626, 0.3270, 0.2554

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.



83.1810, 0.3734, 0.2919



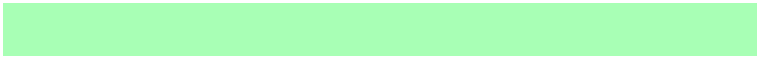
83.1810, 0.3012, 0.4159



83.1810, 0.2631, 0.2419

Square

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



83.1810, 0.3012, 0.4159



83.1810, 0.2115, 0.2663



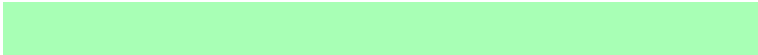
83.1810, 0.3164, 0.2594



83.1810, 0.4249, 0.3775

Rectangle

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



83.1810, 0.3012, 0.4159



83.1810, 0.2281, 0.3294



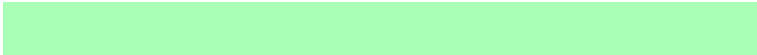
83.1810, 0.3164, 0.2594



83.1810, 0.4038, 0.3191

Sweetspot

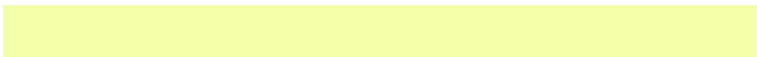
The Sweet Spot groups the original color and five complimentary colors.



83.1761, 0.3012, 0.4159



94.1614, 0.3093, 0.3510



93.4709, 0.3564, 0.4168



19.9921, 0.3089, 0.3543



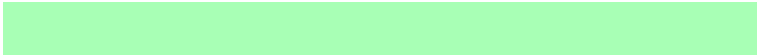
0.0000, 0.0000, 0.0000



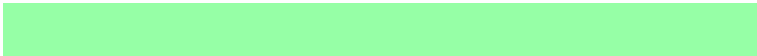
21.4041, 0.3127, 0.3290

Same Dimension

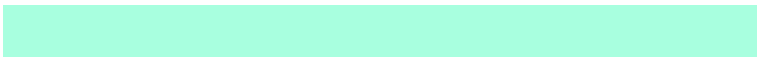
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1761, 0.3012, 0.4159



80.8028, 0.2991, 0.4370



85.1734, 0.2796, 0.3651



20.2124, 0.3095, 0.3498



37.4574, 0.2966, 0.5878



3.6595, 0.2919, 0.5707

Inverse Universe

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



55.6626, 0.3270, 0.2554



49.4707, 0.3306, 0.2410



53.4167, 0.3637, 0.2960



18.2509, 0.3161, 0.3090



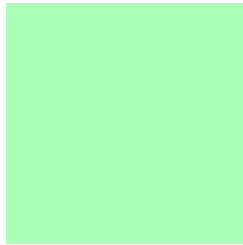
13.7412, 0.3628, 0.1772



1.3501, 0.3573, 0.1742

Previews

White Background



This preview shows how the Yxy color 83.1810, 0.3012, 0.4159 looks on a white background.

Color Contrast Check

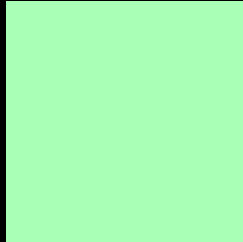
Large Text (above 18pt) WCAG AA × Fail

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 83.1810, 0.3012, 0.4159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

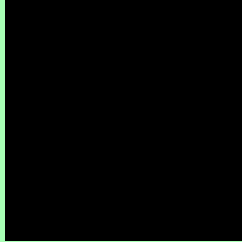
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.1810, 0.3012, 0.4159

Background



This preview shows how black text looks on a background with the Yxy color 83.1810, 0.3012, 0.4159.

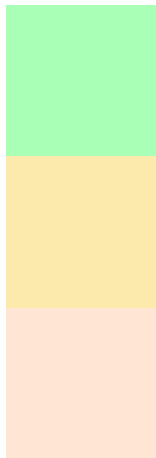


This preview shows how white text looks on a background with the Yxy color 83.1810, 0.3012, 0.4159.

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

83.1810, 0.3012, 0.4159

Protanopia

82.3334, 0.3652, 0.3923

Deuteranopia

82.0018, 0.3430, 0.3472



Tritanopia

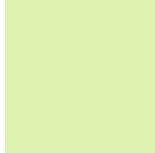
82.6872, 0.2806, 0.3141

Trichromacy



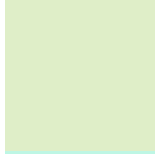
Original Color

83.1810, 0.3012, 0.4159



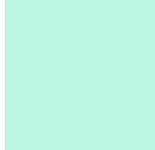
Protanomaly

81.9716, 0.3397, 0.4018



Deuteranomaly

81.0072, 0.3262, 0.3700



Tritanomaly

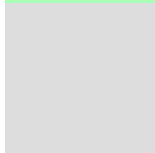
82.4601, 0.2885, 0.3489

Monochromacy



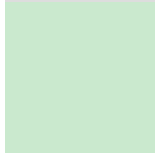
Original Color

83.1810, 0.3012, 0.4159



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.2906, 0.3086, 0.3595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1810, 0.3012, 0.4159 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(168, 255, 181)` looks like.

```
.text, #text, p{  
    color:rgb(168, 255, 181)  
}
```

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(168, 255, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 181) }
```

Border

The CSS property to change the border of an element to Yxy 83.1810, 0.3012, 0.4159 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(168, 255, 181) }
```

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

```
.border{ border-color:rgb(168, 255, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 255, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 255, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 255, 181);  
box-shadow:4px 4px 4px 4px rgb(168, 255,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1810, 0.3012, 0.4159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 255, 181) }
```

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

```
.background{ background-color: rgb(168,  
255, 181) }
```

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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