

Converting Colors

$Yxy(86.1765, 0.2963, 0.4072)$

Have a look what the booklet for
Yxy(86.1765, 0.2963, 0.4072)
contains.

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Color

Yxy(83.7166, 0.2966, 0.4036)

Conversions

Conversions Part 1

Format	Color
Hex	A9FFBF
RGB	169, 255, 191
RGB Percent	66%, 100%, 75%
CMY	0.3373, 0.0000, 0.2511
CMYK	0.34, 0.00, 0.25, 0.00
HSL	135°, 100%, 83%
HSV	135°, 34%, 100%
XYZ	61.5222, 83.7166, 62.1859
YIQ	221.9900, -30.7120, -38.1360

Conversions

Conversions Part 2

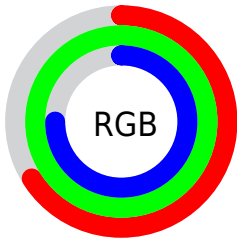
Format	Color
RYB	169, 237, 255
Decimal	11141055
CIELab	93.33, -38.72, 22.56
CIElCh	93, 44.815, 149.776
Yxy	83.7166, 0.2966, 0.4036
Android (android.graphics.Color)	4289331135 (0xFFA9FFBF)
YUV	221.9900, -15.2781, -46.4722
Hunter-Lab	91.4968, -40.0965, 23.7512

Details

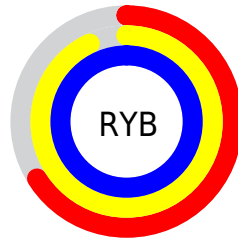
The Yxy color **83.7166, 0.2966, 0.4036** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.5195, 0.3343, 0.2646**, and the grayscale version is **73.1614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4661, 0.2990, 0.3360**, and **45.7717, 0.2924, 0.4228** is the 20% darker color. If you saturate the color by 10%, you get **80.3819, 0.2926, 0.4306**, and if you desaturate by 10%, it is **87.7059, 0.3011, 0.3786**.

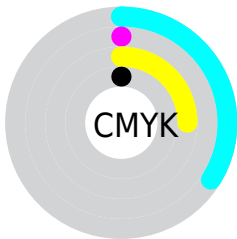
Distribution



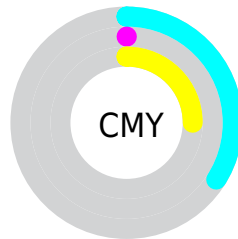
- Red (66%)
- Green (100%)
- Blue (75%)



- Red (66%)
- Yellow (93%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.7166, 0.2966, 0.4036 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 83.7166, 0.2966, 0.4036 by changing the saturation by 10% instead.

 83.7166, 0.2966,
0.4036

 83.7166, 0.2966,
0.4036


507.3717, 0.3048,
0.3682

 62.7815, 0.2946,
0.4119


 138.5787, 0.2996,
0.3912

 45.6645, 0.2920,
0.4222


173.2744, 0.3007,
0.3864

 31.9811, 0.2886,
0.4354


213.3258, 0.3016,
0.3823

 21.3471, 0.2838,
0.4529

259.1173, 0.3024,
0.3787

 13.3779, 0.2770,
0.4770

311.0332, 0.3031,
0.3756

 7.6893, 0.2664,
0.5123


369.4580, 0.3037,


 3.8968, 0.2480,


0.3728


0.5682


434.7760, 0.3043,
0.3704


 1.6160, 0.2174,
0.7687


 0.3683, 0.0000,
1.0000

 83.7166, 0.2966,
0.4036


 83.7166, 0.2966,
0.4036

 80.3819, 0.2926,
0.4306


 87.7059, 0.3011,
0.3786

 77.6710, 0.2895,
0.4591

 92.3888, 0.3060,
0.3560

 75.5424, 0.2875,
0.4878

 97.7945, 0.3109,
0.3359

 73.9515, 0.2870,
0.5155

100.0000, 0.3127,
0.3290

■ 72.8469, 0.2880,
0.5406

■ 72.1667, 0.2904,
0.5617

■ 71.9033, 0.2924,
0.5725

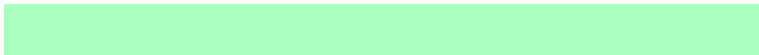
Harmonies

Analogous

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



83.7166, 0.3474, 0.4226



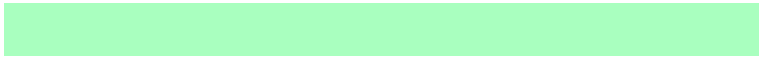
83.7166, 0.2966, 0.4036



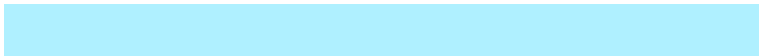
83.7166, 0.2524, 0.3584

Triad

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



83.7166, 0.2966, 0.4036



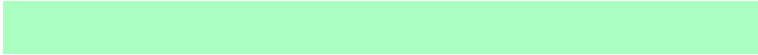
83.7166, 0.2365, 0.2491



83.7166, 0.4084, 0.3387

Complementary

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



83.7166, 0.2966, 0.4036



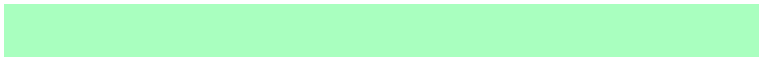
55.5195, 0.3343, 0.2646

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.



83.7166, 0.3737, 0.2994



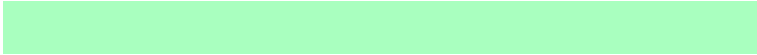
83.7166, 0.2966, 0.4036



83.7166, 0.2727, 0.2498

Square

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



83.7166, 0.2966, 0.4036



83.7166, 0.2201, 0.2683



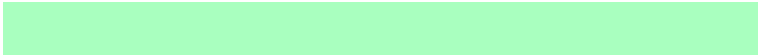
83.7166, 0.3227, 0.2679



83.7166, 0.4143, 0.3788

Rectangle

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



83.7166, 0.2966, 0.4036



83.7166, 0.2321, 0.3235



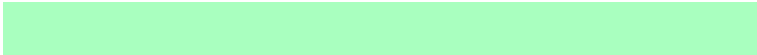
83.7166, 0.3227, 0.2679



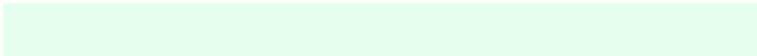
83.7166, 0.3996, 0.3251

Sweetspot

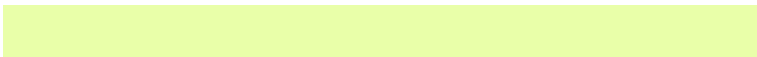
The Sweet Spot groups the original color and five complimentary colors.



83.7147, 0.2966, 0.4036



94.3173, 0.3078, 0.3482



91.7922, 0.3491, 0.4178



20.0296, 0.3071, 0.3511



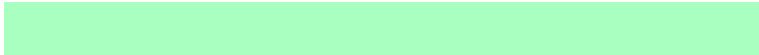
0.0000, 0.0000, 0.0000



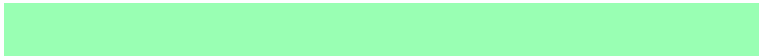
21.4041, 0.3127, 0.3290

Same Dimension

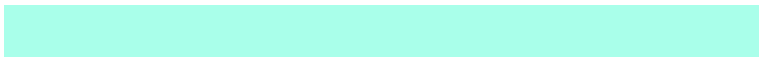
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7147, 0.2966, 0.4036



81.5493, 0.2940, 0.4204



85.8664, 0.2750, 0.3530



20.2443, 0.3080, 0.3472



37.5913, 0.2916, 0.5699



3.6769, 0.2857, 0.5486

Inverse Universe

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



55.5195, 0.3343, 0.2646



49.6965, 0.3396, 0.2527



53.3741, 0.3722, 0.3067



18.2164, 0.3177, 0.3115



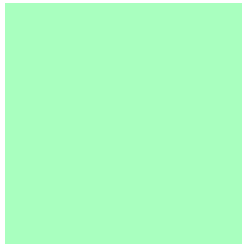
13.0737, 0.3984, 0.1969



1.2906, 0.3876, 0.1909

Previews

White Background



This preview shows how the Yxy color 83.7166, 0.2966, 0.4036 looks on a white background.

Color Contrast Check

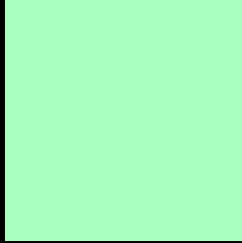
Large Text (above 18pt) WCAG AA × Fail

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 83.7166, 0.2966, 0.4036 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

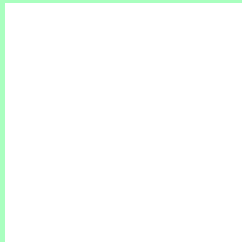
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.7166, 0.2966, 0.4036

Background



This preview shows how black text looks on a background with the Yxy color 83.7166, 0.2966, 0.4036.

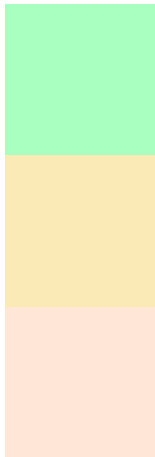


This preview shows how white text looks on a background with the Yxy color 83.7166, 0.2966, 0.4036.

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

83.7166, 0.2966, 0.4036

Protanopia

82.5058, 0.3586, 0.3833

Deuteranopia

82.7599, 0.3401, 0.3441



Tritanopia

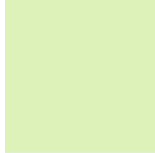
83.4208, 0.2813, 0.3152

Trichromacy



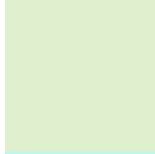
Original Color

83.7166, 0.2966, 0.4036



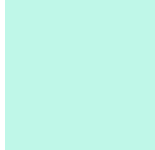
Protanomaly

82.3792, 0.3336, 0.3908



Deuteranomaly

82.0365, 0.3231, 0.3643



Tritanomaly

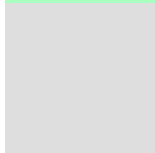
83.4241, 0.2870, 0.3454

Monochromacy



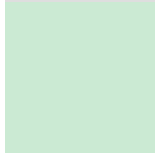
Original Color

83.7166, 0.2966, 0.4036



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.2453, 0.3062, 0.3547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7166, 0.2966, 0.4036 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(169, 255, 191)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 191)  
}
```

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(169, 255, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 191) }
```

Border

The CSS property to change the border of an element to Yxy 83.7166, 0.2966, 0.4036 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(169, 255, 191) }
```

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

```
.border{ border-color:rgb(169, 255, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 255, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 255, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 255, 191);  
box-shadow:4px 4px 4px 4px rgb(169, 255,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7166, 0.2966, 0.4036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 255, 191) }
```

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

```
.background{ background-color: rgb(169,  
255, 191) }
```

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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