

Converting Colors

Yxy(92.4403, 0.2967, 0.4236)

Have a look what the booklet for
Yxy(92.4403, 0.2967, 0.4236)
contains.

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Color

Yxy(82.9577, 0.2964, 0.4103)

Conversions

Conversions Part 1

Format	Color
Hex	A4FFBA
RGB	164, 255, 186
RGB Percent	64%, 100%, 73%
CMY	0.3569, 0.0000, 0.2706
CMYK	0.36, 0.00, 0.27, 0.00
HSL	135°, 100%, 82%
HSV	135°, 36%, 100%
XYZ	59.9285, 82.9577, 59.3017
YIQ	219.9250, -32.0870, -40.7510

Conversions

Conversions Part 2

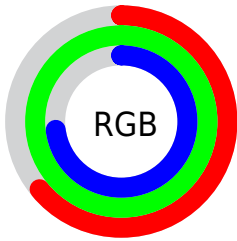
Format	Color
RYB	164, 237, 255
Decimal	10813370
CIELab	93.00, -41.06, 24.59
CIELCh	93, 47.864, 149.081
Yxy	82.9577, 0.2964, 0.4103
Android (android.graphics.Color)	4289003450 (0xFFA4FFBA)
YUV	219.9250, -16.7250, -49.0462
Hunter-Lab	91.0811, -41.9446, 25.1538

Details

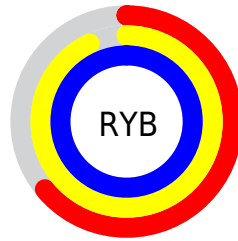
The Yxy color **82.9577, 0.2964, 0.4103** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.6864, 0.3349, 0.2597**, and the grayscale version is **71.6450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3030, 0.2993, 0.3422**, and **45.2698, 0.2910, 0.4303** is the 20% darker color. If you saturate the color by 10%, you get **79.7417, 0.2927, 0.4382**, and if you desaturate by 10%, it is **86.8238, 0.3007, 0.3844**.

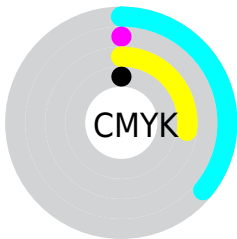
Distribution



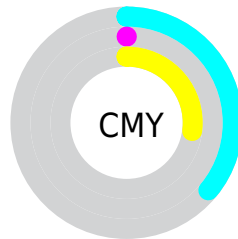
- Red (64%)
- Green (100%)
- Blue (73%)



- Red (64%)
- Yellow (93%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (36%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.9577, 0.2964, 0.4103 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 82.9577, 0.2964, 0.4103 by changing the saturation by 10% instead.


 82.9577, 0.2964,
0.4103


 82.9577, 0.2964,
0.4103


504.8455, 0.3048,
0.3715

 62.1553, 0.2943,
0.4194


 137.5162, 0.2995,
0.3966

 45.1582, 0.2915,
0.4308


 172.0411, 0.3006,
0.3914

 31.5820, 0.2879,
0.4453


211.9089, 0.3016,
0.3869

 21.0424, 0.2828,
0.4647

257.5040, 0.3024,
0.3830

 13.1550, 0.2754,
0.4914

309.2108, 0.3032,
0.3796

 7.5354, 0.2636,
0.5306


367.4137, 0.3038,


 3.7991, 0.2430,

0.3766

0.5924

432.4972, 0.3043,
0.3739

 1.5618, 0.1895,
0.8105


 0.3317, 0.0000,
1.0000


 82.9577, 0.2964,
0.4103


 82.9577, 0.2964,
0.4103


 79.7417, 0.2927,
0.4382


 86.8238, 0.3007,
0.3844

 77.1462, 0.2899,
0.4672

 91.3817, 0.3053,
0.3608

 75.1277, 0.2882,
0.4963

 96.6606, 0.3100,
0.3398

 73.6402, 0.2880,
0.5238

100.0000, 0.3127,
0.3290

■ 72.6305, 0.2893,
0.5483

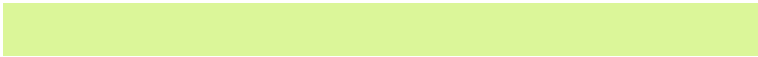
■ 72.0331, 0.2919,
0.5682

■ 71.8641, 0.2931,
0.5752

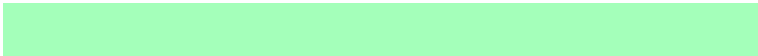
Harmonies

Analogous

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



82.9577, 0.3506, 0.4296



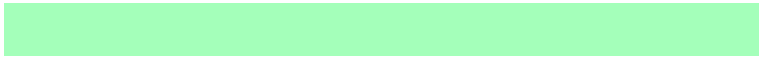
82.9577, 0.2964, 0.4103



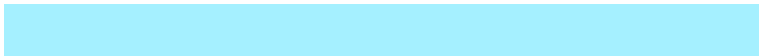
82.9577, 0.2491, 0.3618

Triad

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



82.9577, 0.2964, 0.4103



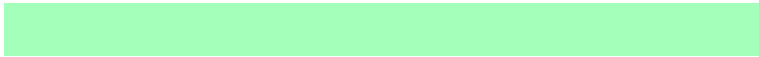
82.9577, 0.2309, 0.2441



82.9577, 0.4147, 0.3378

Complementary

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



82.9577, 0.2964, 0.4103



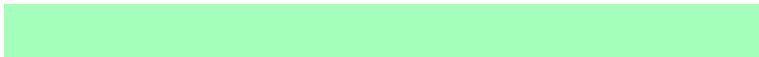
53.6864, 0.3349, 0.2597

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.



82.9577, 0.3769, 0.2964



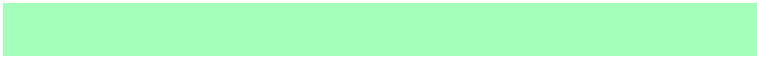
82.9577, 0.2964, 0.4103



82.9577, 0.2687, 0.2446

Square

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



82.9577, 0.2964, 0.4103



82.9577, 0.2141, 0.2646



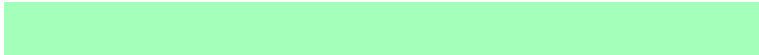
82.9577, 0.3219, 0.2634



82.9577, 0.4216, 0.3806

Rectangle

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



82.9577, 0.2964, 0.4103



82.9577, 0.2274, 0.3241



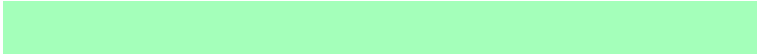
82.9577, 0.3219, 0.2634



82.9577, 0.4051, 0.3235

Sweetspot

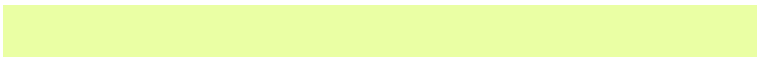
The Sweet Spot groups the original color and five complimentary colors.



82.9552, 0.2964, 0.4103



93.7679, 0.3075, 0.3507



91.6518, 0.3521, 0.4229



19.9191, 0.3069, 0.3535



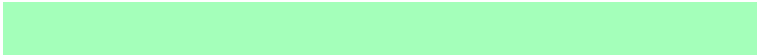
0.0000, 0.0000, 0.0000



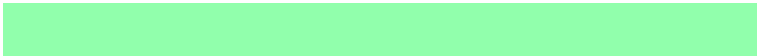
21.4041, 0.3127, 0.3290

Same Dimension

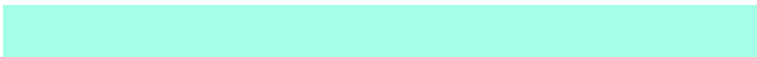
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.9552, 0.2964, 0.4103



80.5450, 0.2936, 0.4305



85.1646, 0.2738, 0.3563



20.2402, 0.3082, 0.3475



37.5700, 0.2924, 0.5727



3.6743, 0.2866, 0.5518

Inverse Universe

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



53.6864, 0.3349, 0.2597



47.2463, 0.3408, 0.2459



51.4456, 0.3756, 0.3038



18.2208, 0.3175, 0.3112



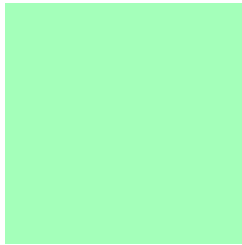
13.1532, 0.3936, 0.1942



1.2978, 0.3835, 0.1886

Previews

White Background



This preview shows how the Yxy color 82.9577, 0.2964, 0.4103 looks on a white background.

Color Contrast Check

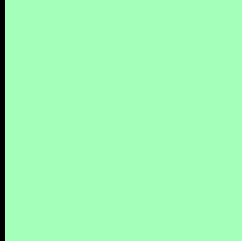
Large Text (above 18pt) WCAG AA × Fail

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 82.9577, 0.2964, 0.4103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

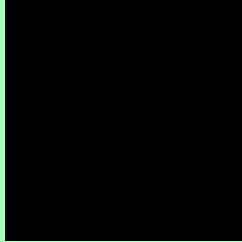
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.9577, 0.2964, 0.4103

Background



This preview shows how black text looks on a background with the Yxy color 82.9577, 0.2964, 0.4103.

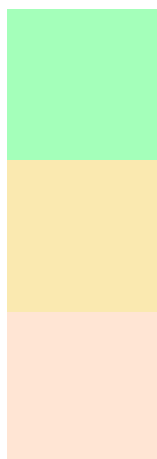


This preview shows how white text looks on a background with the Yxy color 82.9577, 0.2964, 0.4103.

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

82.9577, 0.2964, 0.4103

Protanopia

81.7364, 0.3622, 0.3874

Deuteranopia

82.0521, 0.3423, 0.3461



Tritanopia

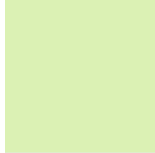
82.2727, 0.2789, 0.3141

Trichromacy



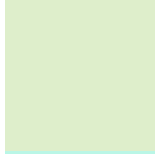
Original Color

82.9577, 0.2964, 0.4103



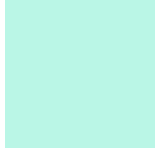
Protanomaly

81.2660, 0.3355, 0.3956



Deuteranomaly

80.9905, 0.3237, 0.3667



Tritanomaly

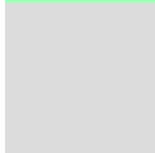
82.0638, 0.2851, 0.3467

Monochromacy



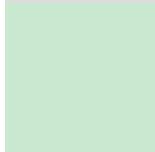
Original Color

82.9577, 0.2964, 0.4103



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.1113, 0.3061, 0.3573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9577, 0.2964, 0.4103 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(164, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(164, 255, 186)  
}
```

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(164, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 186) }
```

Border

The CSS property to change the border of an element to Yxy 82.9577, 0.2964, 0.4103 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(164, 255, 186) }
```

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

```
.border{ border-color:rgb(164, 255, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 255, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9577, 0.2964, 0.4103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 255, 186) }
```

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

```
.background{ background-color: rgb(164,  
255, 186) }
```

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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