

Converting Colors

$Y_{xy}(100.0000, 0.2954, 0.4353)$

Have a look what the booklet for
Yxy(100.0000, 0.2954, 0.4353)
contains.

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Color

Yxy(82.4964, 0.2947, 0.4120)

Conversions

Conversions Part 1

Format	Color
Hex	A0FFB9
RGB	160, 255, 185
RGB Percent	63%, 100%, 73%
CMY	0.3727, 0.0000, 0.2744
CMYK	0.37, 0.00, 0.27, 0.00
HSL	136°, 100%, 81%
HSV	136°, 37%, 100%
XYZ	59.0090, 82.4964, 58.7286
YIQ	218.6150, -34.1500, -41.9100

Conversions

Conversions Part 2

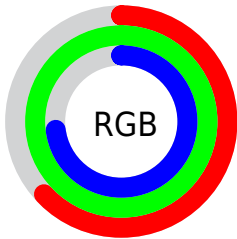
Format	Color
RYB	160, 235, 255
Decimal	10551225
CIELab	92.79, -42.39, 24.77
CIElCh	93, 49.102, 149.700
Yxy	82.4964, 0.2947, 0.4120
Android (android.graphics.Color)	4288741305 (0xFFA0FFB9)
YUV	218.6150, -16.5722, -51.4054
Hunter-Lab	90.8275, -42.9800, 25.2427

Details

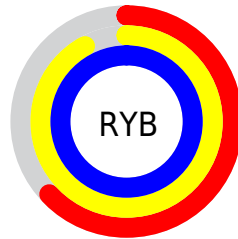
The Yxy color **82.4964, 0.2947, 0.4120** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.0927, 0.3379, 0.2586**, and the grayscale version is **70.6833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.6226, 0.2975, 0.3434**, and **44.9972, 0.2891, 0.4327** is the 20% darker color. If you saturate the color by 10%, you get **79.3881, 0.2909, 0.4393**, and if you desaturate by 10%, it is **86.2405, 0.2992, 0.3865**.

Distribution



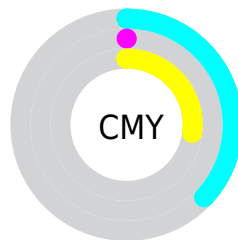
- Red (63%)
- Green (100%)
- Blue (73%)



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



- Cyan (37%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (37%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4964, 0.2947, 0.4120 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 82.4964, 0.2947, 0.4120 by changing the saturation by 10% instead.

 82.4964, 0.2947,
0.4120


 82.4964, 0.2947,
0.4120


503.3066, 0.3039,
0.3723

 61.7748, 0.2924,
0.4213

 136.8699, 0.2981,
0.3980

 44.8507, 0.2894,
0.4330


 171.2906, 0.2993,
0.3926

 31.3399, 0.2854,
0.4480


211.0464, 0.3004,
0.3880

 20.8578, 0.2799,
0.4678

256.5218, 0.3013,
0.3841

 13.0201, 0.2719,
0.4954

308.1011, 0.3021,
0.3806

 7.4424, 0.2592,
0.5359

366.1688, 0.3028,

 3.7403, 0.2371,

0.3775

0.5998

431.1091, 0.3034,
0.3748

■ 1.5294, 0.1691,
0.8309

■ 0.3093, 0.0000,
1.0000

■ 82.4964, 0.2947,
0.4120

■ 82.4964, 0.2947,
0.4120

■ 79.3881, 0.2909,
0.4393

■ 86.2405, 0.2992,
0.3865

■ 76.8900, 0.2881,
0.4677

■ 90.6662, 0.3040,
0.3633

■ 74.9570, 0.2866,
0.4960

■ 95.8014, 0.3091,
0.3426

■ 73.5427, 0.2866,
0.5228

100.0000, 0.3127,
0.3290

■ 72.5927, 0.2882,
0.5467

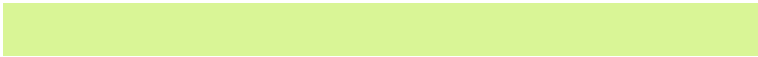
■ 72.0380, 0.2911,
0.5662

■ 71.9287, 0.2919,
0.5708

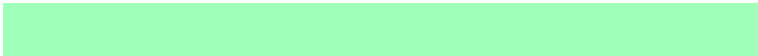
Harmonies

Analogous

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



82.4964, 0.3503, 0.4325



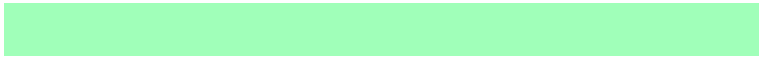
82.4964, 0.2947, 0.4120



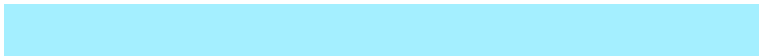
82.4964, 0.2466, 0.3615

Triad

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



82.4964, 0.2947, 0.4120



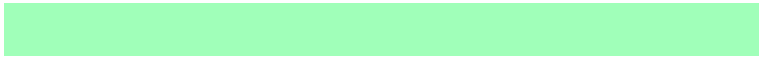
82.4964, 0.2294, 0.2418



82.4964, 0.4181, 0.3388

Complementary

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



82.4964, 0.2947, 0.4120



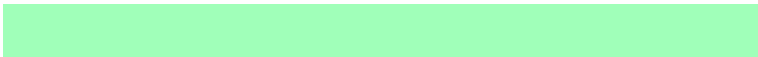
52.0927, 0.3379, 0.2586

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.



82.4964, 0.3797, 0.2963



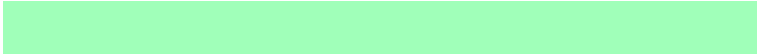
82.4964, 0.2947, 0.4120



82.4964, 0.2685, 0.2428

Square

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



82.4964, 0.2947, 0.4120



82.4964, 0.2118, 0.2622



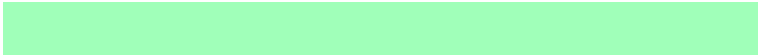
82.4964, 0.3233, 0.2623



82.4964, 0.4243, 0.3825

Rectangle

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



82.4964, 0.2947, 0.4120



82.4964, 0.2246, 0.3226



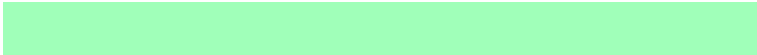
82.4964, 0.3233, 0.2623



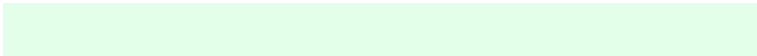
82.4964, 0.4084, 0.3241

Sweetspot

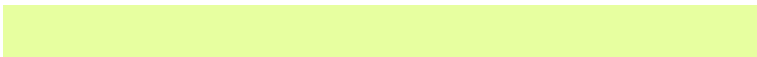
The Sweet Spot groups the original color and five complimentary colors.



82.4925, 0.2947, 0.4120



93.8035, 0.3072, 0.3500



91.0848, 0.3526, 0.4275



19.9276, 0.3065, 0.3528



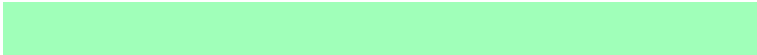
0.0000, 0.0000, 0.0000



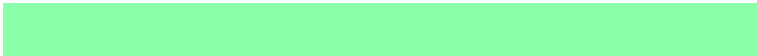
21.4041, 0.3127, 0.3290

Same Dimension

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



82.4925, 0.2947, 0.4120



80.0396, 0.2917, 0.4330



84.7713, 0.2716, 0.3559



20.2469, 0.3079, 0.3470



37.6051, 0.2912, 0.5681



3.6786, 0.2852, 0.5466

Inverse Universe

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



52.0927, 0.3379, 0.2586



45.5102, 0.3449, 0.2445



49.8328, 0.3812, 0.3043



18.2137, 0.3179, 0.3117



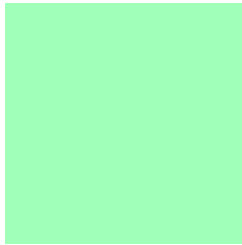
13.0254, 0.4015, 0.1985



1.2863, 0.3902, 0.1923

Previews

White Background



This preview shows how the Yxy color 82.4964, 0.2947, 0.4120 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 82.4964, 0.2947, 0.4120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

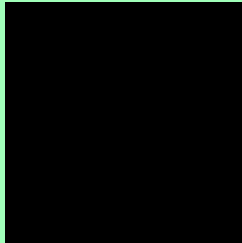
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.4964, 0.2947, 0.4120

Background



This preview shows how black text looks on a background with the Yxy color 82.4964, 0.2947, 0.4120.

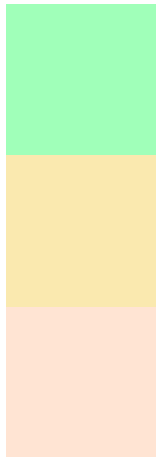


This preview shows how white text looks on a background with the Yxy color 82.4964, 0.2947, 0.4120.

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

82.4964, 0.2947, 0.4120

Protanopia

81.6970, 0.3628, 0.3885

Deuteranopia

81.4500, 0.3432, 0.3462



Tritanopia

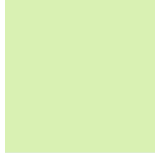
82.0009, 0.2777, 0.3140

Trichromacy



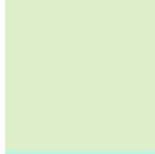
Original Color

82.4964, 0.2947, 0.4120



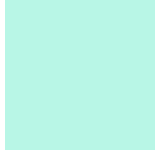
Protanomaly

80.9170, 0.3347, 0.3970



Deuteranomaly

80.6290, 0.3229, 0.3680



Tritanomaly

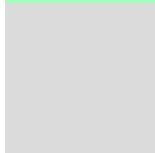
81.8151, 0.2840, 0.3468

Monochromacy



Original Color

82.4964, 0.2947, 0.4120



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.2240, 0.3054, 0.3575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.4964, 0.2947, 0.4120 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(160, 255, 185)` looks like.

```
.text, #text, p{  
    color:rgb(160, 255, 185)  
}
```

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(160, 255, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 255, 185) }
```

Border

The CSS property to change the border of an element to Yxy 82.4964, 0.2947, 0.4120 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(160, 255, 185) }
```

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

```
.border{ border-color:rgb(160, 255, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 255, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 255, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 255, 185);  
box-shadow:4px 4px 4px 4px rgb(160, 255,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 82.4964, 0.2947, 0.4120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 255, 185) }
```

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

```
.background{ background-color: rgb(160,  
255, 185) }
```

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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