

# Converting Colors

$Yxy(82.5135, 0.2955, 0.4128)$

Have a look what the booklet for  
Yxy(82.5135, 0.2955, 0.4128)  
contains.

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# Color

**Yxy(82.5578, 0.2958, 0.4131)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1FFB8
RGB	161, 255, 184
RGB Percent	63%, 100%, 72%
CMY	0.3685, 0.0000, 0.2784
CMYK	0.37, 0.00, 0.28, 0.00
HSL	135°, 100%, 82%
HSV	135°, 37%, 100%
XYZ	59.1155, 82.5578, 58.1762
YIQ	218.8000, -33.2330, -42.0090

# Conversions

## Conversions Part 2

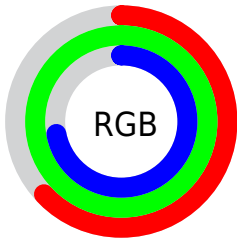
<b>Format</b>	<b>Color</b>
<b>RYB</b>	161, 237, 255
Decimal	10616760
CIELab	92.82, -42.25, 25.33
CIELCh	93, 49.266, 149.057
Yxy	82.5578, 0.2958, 0.4131
Android (android.graphics.Color)	4288806840 (0xFFA1FFB8)
YUV	218.8000, -17.1564, -50.6906
Hunter-Lab	90.8613, -42.8731, 25.6411

# Details

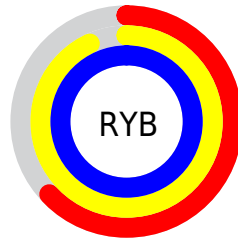
The Yxy color **82.5578, 0.2958, 0.4131** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.5872, 0.3360, 0.2577**, and the grayscale version is **70.8382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7167, 0.2987, 0.3444**, and **45.0301, 0.2904, 0.4341** is the 20% darker color. If you saturate the color by 10%, you get **79.4223, 0.2921, 0.4411**, and if you desaturate by 10%, it is **86.3504, 0.3001, 0.3870**.

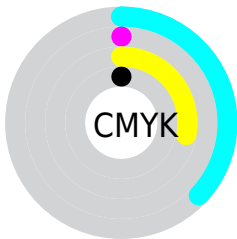
# Distribution



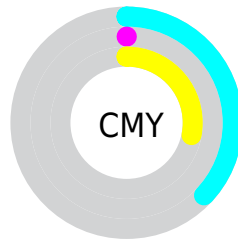
- Red (63%)
- Green (100%)
- Blue (72%)



- Red (63%)
- Yellow (93%)
- Blue (100%)



- Cyan (37%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)




- Cyan (37%)
- Magenta (0%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.5578, 0.2958, 0.4131 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 82.5578, 0.2958, 0.4131 by changing the saturation by 10% instead.





 82.5578, 0.2958,  
0.4131

 82.5578, 0.2958,  
0.4131


503.5116, 0.3046,  
0.3729

 61.8254, 0.2936,  
0.4226


 136.9560, 0.2990,  
0.3989

 44.8917, 0.2907,  
0.4344


 171.3905, 0.3002,  
0.3935

 31.3721, 0.2869,  
0.4495


211.1613, 0.3012,  
0.3888

 20.8824, 0.2815,  
0.4697

256.6526, 0.3021,  
0.3848

 13.0380, 0.2737,  
0.4976

308.2489, 0.3028,  
0.3813

 7.4547, 0.2613,  
0.5385


366.3346, 0.3035,


 3.7481, 0.2394,


0.3781


0.6030


431.2940, 0.3041,  
0.3754

 1.5337, 0.1715,  
0.8285


 0.3122, 0.0000,  
1.0000


 82.5578, 0.2958,  
0.4131


 82.5578, 0.2958,  
0.4131


 79.4223, 0.2921,  
0.4411


 86.3504, 0.3001,  
0.3870

 76.8961, 0.2894,  
0.4701

 90.8241, 0.3047,  
0.3633

 74.9413, 0.2879,  
0.4990

 96.0145, 0.3095,  
0.3421

 73.5112, 0.2879,  
0.5262

99.9995, 0.3127,  
0.3290

■ 72.5514, 0.2893,  
0.5502

■ 71.9942, 0.2921,  
0.5696

■ 71.8715, 0.2930,  
0.5747

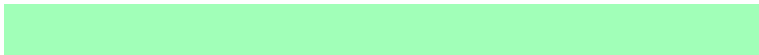
# Harmonies

## Analogous

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



82.5578, 0.3516, 0.4328



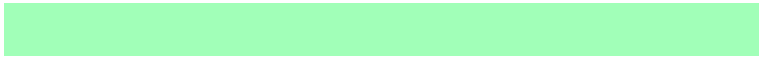
82.5578, 0.2958, 0.4131



82.5578, 0.2472, 0.3628

# Triad

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



82.5578, 0.2958, 0.4131



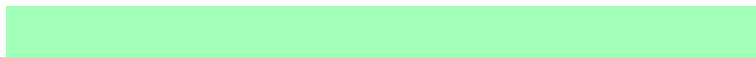
82.5578, 0.2286, 0.2417



82.5578, 0.4179, 0.3378

# Complementary

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



82.5578, 0.2958, 0.4131



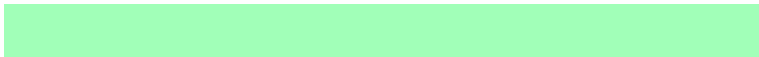
52.5872, 0.3360, 0.2577

# 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.



82.5578, 0.3788, 0.2954



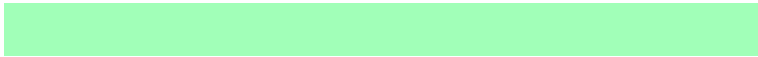
82.5578, 0.2958, 0.4131



82.5578, 0.2674, 0.2423

# Square

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



82.5578, 0.2958, 0.4131



82.5578, 0.2113, 0.2627



82.5578, 0.3220, 0.2616

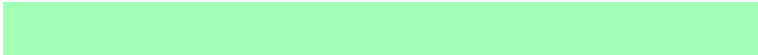


82.5578, 0.4249, 0.3818



# Rectangle

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



82.5578, 0.2958, 0.4131



82.5578, 0.2249, 0.3238



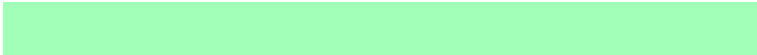
82.5578, 0.3220, 0.2616



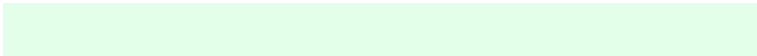
82.5578, 0.4080, 0.3231

# Sweetspot

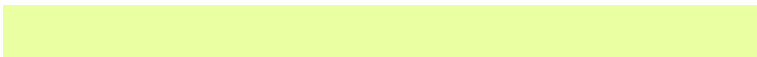
The Sweet Spot groups the original color and five complimentary colors.



82.5612, 0.2958, 0.4131



93.7725, 0.3075, 0.3506



91.4297, 0.3533, 0.4260



19.9202, 0.3068, 0.3534



0.0000, 0.0000, 0.0000

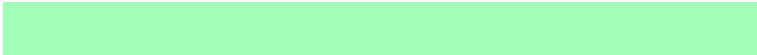


21.4041, 0.3127, 0.3290

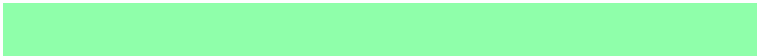


# Same Dimension

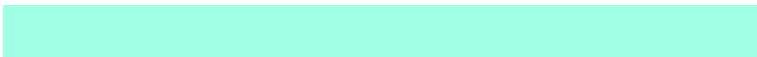
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5612, 0.2958, 0.4131



80.2535, 0.2931, 0.4329



84.8096, 0.2728, 0.3574



20.2410, 0.3082, 0.3475



37.5743, 0.2923, 0.5721



3.6749, 0.2864, 0.5511



# Inverse Universe

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



52.5872, 0.3360, 0.2577



46.4215, 0.3420, 0.2443



50.3093, 0.3785, 0.3029



18.2199, 0.3176, 0.3112



13.1366, 0.3946, 0.1947

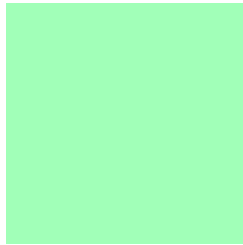


1.2963, 0.3843, 0.1891



# Previews

## White Background



This preview shows how the Yxy color 82.5578, 0.2958, 0.4131 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

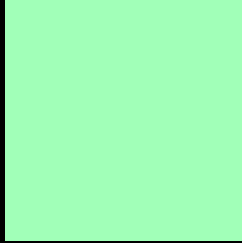
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.5578, 0.2958, 0.4131 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

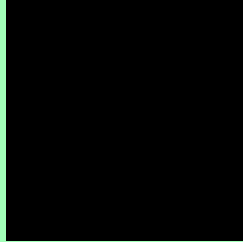
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.5578, 0.2958, 0.4131**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.5578, 0.2958, 0.4131.

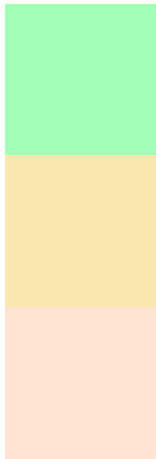


This preview shows how white text looks on a background with the Yxy color 82.5578, 0.2958, 0.4131.

# 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**

82.5578, 0.2958, 0.4131

**Protanopia**

81.6578, 0.3635, 0.3895

**Deuteranopia**

81.4500, 0.3432, 0.3462



## Tritanopia

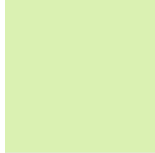
82.0009, 0.2777, 0.3140

# Trichromacy



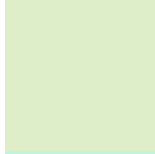
## Original Color

82.5578, 0.2958, 0.4131



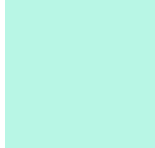
## Protanomaly

81.0304, 0.3360, 0.3980



## Deuteranomaly

80.7383, 0.3242, 0.3690



## Tritanomaly

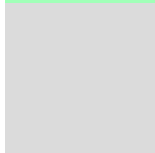
81.7590, 0.2845, 0.3479

# Monochromacy



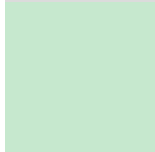
## Original Color

82.5578, 0.2958, 0.4131



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

74.1752, 0.3060, 0.3586

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.5578, 0.2958, 0.4131 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(161, 255, 184)` looks like.

```
.text, #text, p{  
    color:rgb(161, 255, 184)  
}
```

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(161, 255, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 255, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 82.5578, 0.2958, 0.4131 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(161, 255, 184) }
```

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

```
.border{ border-color:rgb(161, 255, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 255, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 255, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 255, 184); box-shadow:4px 4px 4px 4px rgb(161, 255, 184) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.5578, 0.2958, 0.4131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 255, 184) }
```

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

```
.background{ background-color: rgb(161,  
255, 184) }
```

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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