

# Converting Colors

Yxy(82.5587, 0.2998, 0.4196)

Have a look what the booklet for  
Yxy(82.5587, 0.2998, 0.4196)  
contains.

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# Color

**Yxy(82.5612, 0.2994, 0.4190)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3FFB3
RGB	163, 255, 179
RGB Percent	64%, 100%, 70%
CMY	0.3610, 0.0000, 0.2979
CMYK	0.36, 0.00, 0.30, 0.00
HSL	130°, 100%, 82%
HSV	130°, 36%, 100%
XYZ	58.9948, 82.5612, 55.4874
YIQ	218.8280, -30.4360, -43.1400

# Conversions

## Conversions Part 2

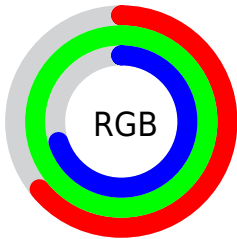
<b>Format</b>	<b>Color</b>
<b>RYB</b>	163, 241, 255
Decimal	10747827
CIELab	92.82, -42.55, 27.87
CIELCh	93, 50.868, 146.772
Yxy	82.5612, 0.2994, 0.4190
Android (android.graphics.Color)	4288937907 (0xFFA3FFB3)
YUV	218.8280, -19.6352, -48.9612
Hunter-Lab	90.8632, -43.1158, 27.3976

# Details

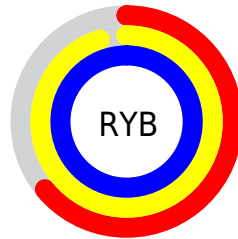
The Yxy color **82.5612, 0.2994, 0.4190** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.6633, 0.3300, 0.2533**, and the grayscale version is **70.8576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7338, 0.3026, 0.3496**, and **45.0203, 0.2947, 0.4419** is the 20% darker color. If you saturate the color by 10%, you get **79.3443, 0.2963, 0.4494**, and if you desaturate by 10%, it is **86.4419, 0.3029, 0.3906**.

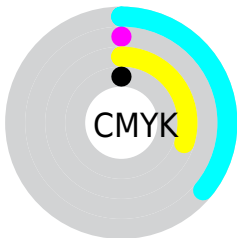
# Distribution



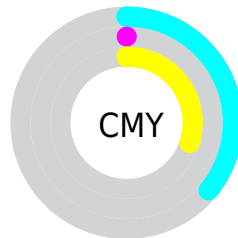
- Red (64%)
- Green (100%)
- Blue (70%)



- Red (64%)
- Yellow (95%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)




- Cyan (36%)
- Magenta (0%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.5612, 0.2994, 0.4190 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 82.5612, 0.2994, 0.4190 by changing the saturation by 10% instead.




 82.5612, 0.2994,  
0.4190


 82.5612, 0.2994,  
0.4190


503.5229, 0.3067,  
0.3759

 61.8282, 0.2975,  
0.4291

 136.9607, 0.3022,  
0.4038

 44.8939, 0.2949,  
0.4418


 171.3960, 0.3032,  
0.3980

 31.3739, 0.2914,  
0.4581

211.1676, 0.3040,  
0.3930

 20.8837, 0.2865,  
0.4796

256.6598, 0.3047,  
0.3886

 13.0390, 0.2790,  
0.5094

308.2571, 0.3053,  
0.3849

 7.4554, 0.2669,  
0.5530


366.3438, 0.3058,


 3.7485, 0.2451,


0.3815


0.6218


431.3042, 0.3063,  
0.3786

 1.5339, 0.1683,  
0.8317

 0.3124, 0.0000,  
1.0000


 82.5612, 0.2994,  
0.4190

 82.5612, 0.2994,  
0.4190


 79.3443, 0.2963,  
0.4494


 86.4419, 0.3029,  
0.3906

 76.7656, 0.2940,  
0.4807

 91.0351, 0.3067,  
0.3647

 74.7782, 0.2926,  
0.5114

 96.3695, 0.3104,  
0.3417

 73.3338, 0.2924,  
0.5395

100.0000, 0.3127,  
0.3290

■ 72.3769, 0.2934,  
0.5632

■ 71.8390, 0.2954,  
0.5810

■ 71.7060, 0.2962,  
0.5863

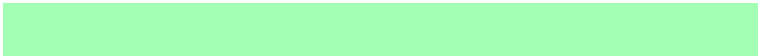
# Harmonies

## Analogous

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



82.5612, 0.3568, 0.4363



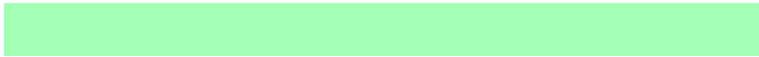
82.5612, 0.2994, 0.4190



82.5612, 0.2484, 0.3685

# Triad

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



82.5612, 0.2994, 0.4190



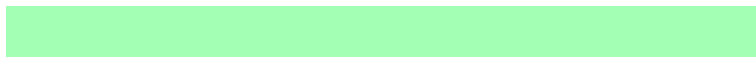
82.5612, 0.2239, 0.2400



82.5612, 0.4193, 0.3344

# Complementary

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



82.5612, 0.2994, 0.4190



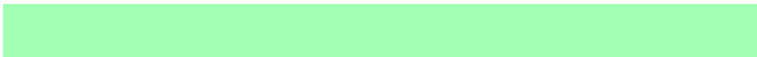
53.6633, 0.3300, 0.2533

# 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.



82.5612, 0.3769, 0.2913



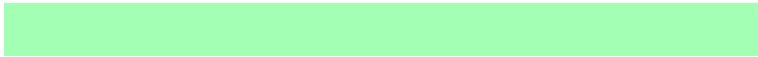
82.5612, 0.2994, 0.4190



82.5612, 0.2622, 0.2391

# Square

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



82.5612, 0.2994, 0.4190



82.5612, 0.2081, 0.2631



82.5612, 0.3176, 0.2575

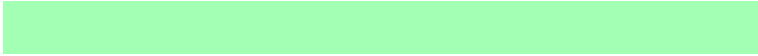


82.5612, 0.4292, 0.3797



# Rectangle

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



82.5612, 0.2994, 0.4190



82.5612, 0.2244, 0.3280



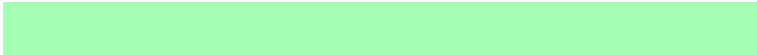
82.5612, 0.3176, 0.2575



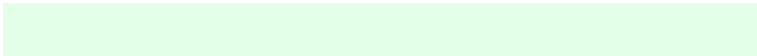
82.5612, 0.4083, 0.3194

# Sweetspot

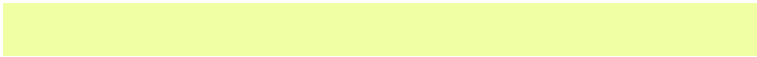
The Sweet Spot groups the original color and five complimentary colors.



82.5568, 0.2994, 0.4190



93.6604, 0.3086, 0.3526



92.6279, 0.3567, 0.4226



19.8937, 0.3081, 0.3558



0.0000, 0.0000, 0.0000

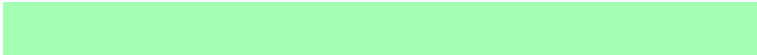


21.4041, 0.3127, 0.3290

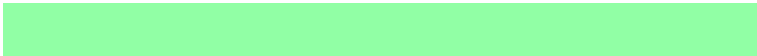


# Same Dimension

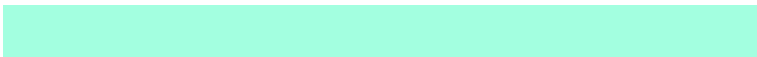
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5568, 0.2994, 0.4190



80.2701, 0.2972, 0.4398



84.7000, 0.2765, 0.3639



20.2199, 0.3092, 0.3492



37.4828, 0.2956, 0.5843



3.6631, 0.2905, 0.5660



# Inverse Universe

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



53.6633, 0.3300, 0.2533



47.6652, 0.3341, 0.2394



51.3145, 0.3707, 0.2971



18.2427, 0.3165, 0.3096



13.5721, 0.3708, 0.1816

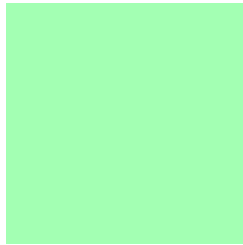


1.3351, 0.3641, 0.1780



# Previews

## White Background



This preview shows how the Yxy color 82.5612, 0.2994, 0.4190 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

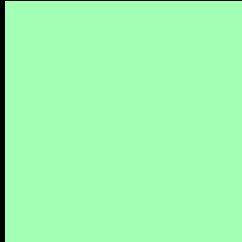
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.5612, 0.2994, 0.4190 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

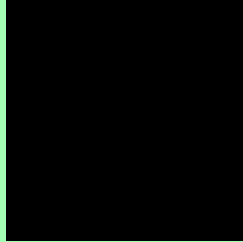
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.5612, 0.2994, 0.4190**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.5612, 0.2994, 0.4190.

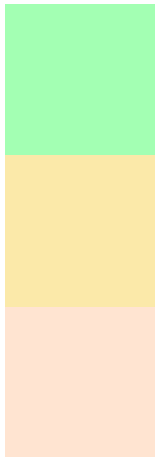


This preview shows how white text looks on a background with the Yxy color 82.5612, 0.2994, 0.4190.

# 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

82.5612, 0.2994, 0.4190

### Protanopia

81.6516, 0.3675, 0.3944

### Deuteranopia

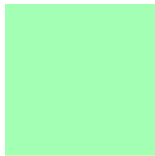
81.3503, 0.3445, 0.3482



## Tritanopia

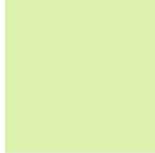
82.1364, 0.2783, 0.3140

# Trichromacy



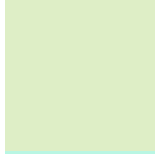
## Original Color

82.5612, 0.2994, 0.4190



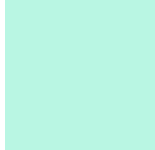
## Protanomaly

80.9878, 0.3397, 0.4034



## Deuteranomaly

80.7559, 0.3268, 0.3723



## Tritanomaly

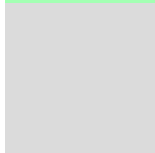
81.7719, 0.2862, 0.3501

# Monochromacy



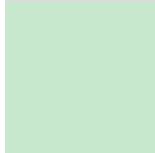
## Original Color

82.5612, 0.2994, 0.4190



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

74.2150, 0.3079, 0.3609

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.5612, 0.2994, 0.4190 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(163, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(163, 255, 179)  
}
```

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(163, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 255, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 82.5612, 0.2994, 0.4190 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(163, 255, 179) }
```

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

```
.border{ border-color:rgb(163, 255, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(163, 255,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.5612, 0.2994, 0.4190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 255, 179) }
```

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

```
.background{ background-color: rgb(163,  
255, 179) }
```

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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