

# Converting Colors

$Yxy(82.3036, 0.2910, 0.3817)$

Have a look what the booklet for  
Yxy(82.3036, 0.2910, 0.3817)  
contains.

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# Color

**Yxy(82.2864, 0.2914, 0.3821)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADFBCD
RGB	173, 251, 205
RGB Percent	68%, 98%, 80%
CMY	0.3214, 0.0157, 0.1962
CMYK	0.31, 0.00, 0.18, 0.02
HSL	145°, 91%, 83%
HSV	145°, 31%, 98%
XYZ	62.7539, 82.2864, 70.3128
YIQ	222.4340, -31.7220, -30.8420

# Conversions

## Conversions Part 2

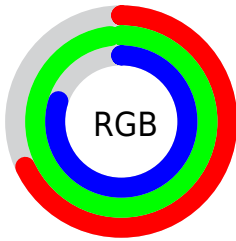
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 228, 251
Decimal	11402189
CIELab	92.70, -33.16, 14.55
CIElCh	93, 36.207, 156.314
Yxy	82.2864, 0.2914, 0.3821
Android (android.graphics.Color)	4289592269 (0xFFADFBCD)
YUV	222.4340, -8.5950, -43.3536
Hunter-Lab	90.7119, -35.2606, 17.5413

# Details

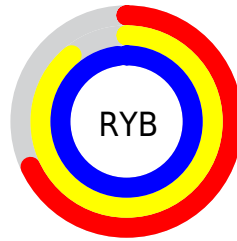
The Yxy color **82.2864, 0.2914, 0.3821** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.5312, 0.3423, 0.2815**, and the grayscale version is **73.4550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **44.6695, 0.2857, 0.3946** is the 20% darker color. If you saturate the color by 10%, you get **79.0092, 0.2856, 0.4029**, and if you desaturate by 10%, it is **86.1758, 0.2979, 0.3631**.

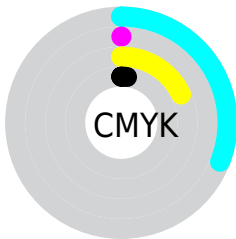
# Distribution



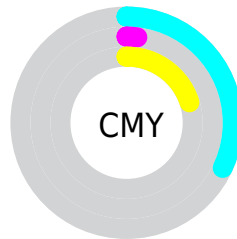
- Red (68%)
- Green (98%)
- Blue (80%)



- Red (68%)
- Yellow (89%)
- Blue (98%)



- Cyan (31%)
- Magenta (0%)
- Yellow (18%)
- Black (2%)




- Cyan (32%)
- Magenta (2%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.2864, 0.2914, 0.3821 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 82.2864, 0.2914, 0.3821 by changing the saturation by 10% instead.




 82.2864, 0.2914,  
0.3821

 82.2864, 0.2914,  
0.3821


502.6052, 0.3015,  
0.3571

 61.6016, 0.2890,  
0.3879

 136.5756, 0.2950,  
0.3733

 44.7109, 0.2861,  
0.3951

170.9487, 0.2963,  
0.3700

 31.2298, 0.2823,  
0.4044


210.6535, 0.2975,  
0.3671

 20.7739, 0.2773,  
0.4166

256.0743, 0.2985,  
0.3645

 12.9588, 0.2703,  
0.4334

307.5955, 0.2994,  
0.3623

 7.4002, 0.2600,  
0.4581

365.6014, 0.3002,


 3.7136, 0.2433,


0.3604


0.4976


430.4765, 0.3009,  
0.3587


 1.5147, 0.2062,  
0.5926


 0.2990, 0.0000,  
1.0000


 82.2864, 0.2914,  
0.3821


 82.2864, 0.2914,  
0.3821


 79.0092, 0.2856,  
0.4029


 86.1758, 0.2979,  
0.3631


 76.3018, 0.2808,  
0.4250

 90.6966, 0.3049,  
0.3459

 74.1326, 0.2775,  
0.4482

 95.8800, 0.3120,  
0.3305

 72.4625, 0.2758,  
0.4716

 97.4743, 0.3129,  
0.3252

■ 71.2468, 0.2761,  
0.4944

■ 70.4320, 0.2782,  
0.5158

■ 69.9695, 0.2814,  
0.5331

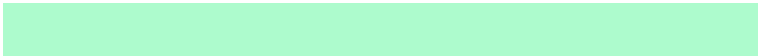
# Harmonies

## Analogous

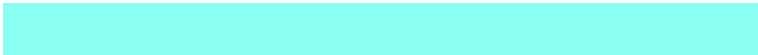
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.2864, 0.3328, 0.4030



82.2864, 0.2914, 0.3821



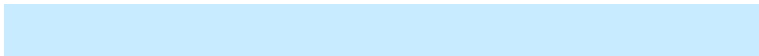
82.2864, 0.2572, 0.3439

# Triad

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



82.2864, 0.2914, 0.3821



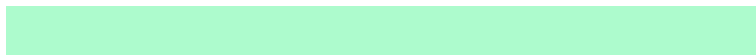
82.2864, 0.2553, 0.2618



82.2864, 0.3935, 0.3454

# Complementary

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



82.2864, 0.2914, 0.3821



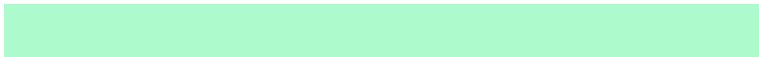
55.5312, 0.3423, 0.2815

# 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.



82.2864, 0.3700, 0.3118



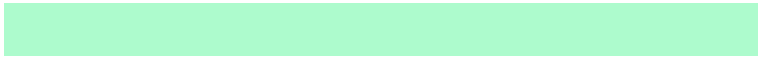
82.2864, 0.2914, 0.3821



82.2864, 0.2885, 0.2654

# Square

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



82.2864, 0.2914, 0.3821



82.2864, 0.2376, 0.2748



82.2864, 0.3306, 0.2833

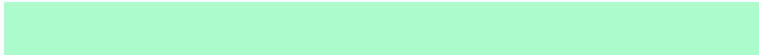


82.2864, 0.3933, 0.3775



# Rectangle

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



82.2864, 0.2914, 0.3821



82.2864, 0.2425, 0.3165



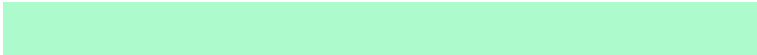
82.2864, 0.3306, 0.2833



82.2864, 0.3881, 0.3340

# Sweetspot

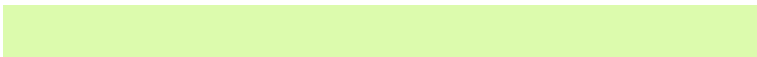
The Sweet Spot groups the original color and five complimentary colors.



82.2898, 0.2914, 0.3821



95.0619, 0.3063, 0.3426



87.2003, 0.3384, 0.4126



20.1877, 0.3053, 0.3449



0.0000, 0.0000, 0.0000

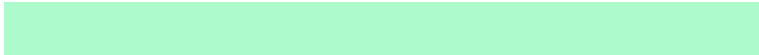


21.4041, 0.3127, 0.3290

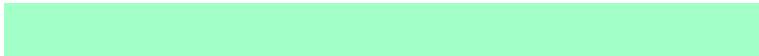


# Same Dimension

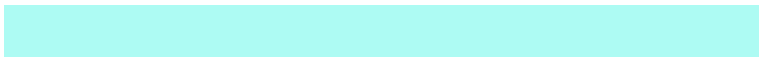
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.2898, 0.2914, 0.3821



83.1978, 0.2878, 0.3943



84.3669, 0.2718, 0.3375



19.4271, 0.3060, 0.3433



36.8061, 0.2806, 0.5300



3.4293, 0.2740, 0.5064



# Inverse Universe

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



55.5312, 0.3423, 0.2815



51.6040, 0.3500, 0.2721



53.7425, 0.3765, 0.3209



17.3972, 0.3201, 0.3151



11.9374, 0.4582, 0.2298

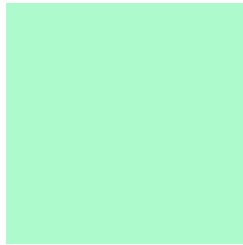


1.1267, 0.4373, 0.2182



# Previews

## White Background



This preview shows how the Yxy color 82.2864, 0.2914, 0.3821 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

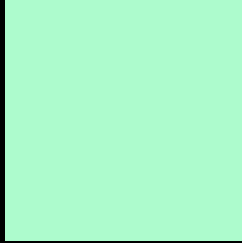
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.2864, 0.2914, 0.3821 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

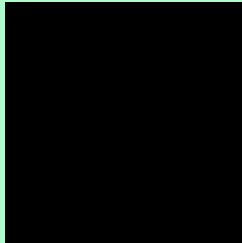
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

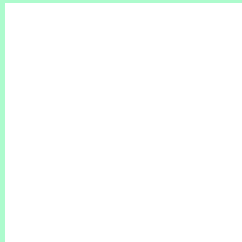
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.2864, 0.2914, 0.3821**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.2864, 0.2914, 0.3821.

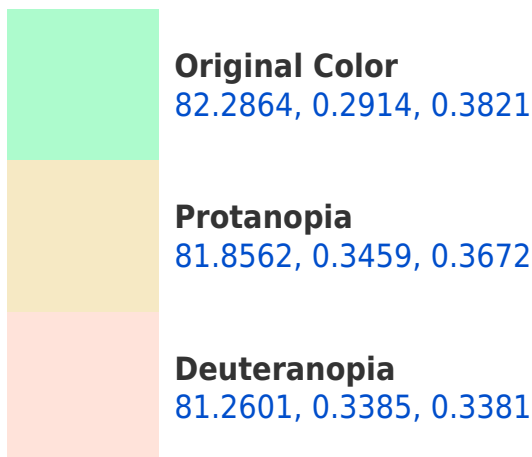


This preview shows how white text looks on a background with the Yxy color 82.2864, 0.2914, 0.3821.

# 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





## Tritanopia

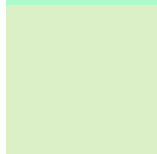
81.6823, 0.2788, 0.3130

# Trichromacy



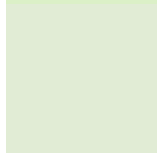
## Original Color

82.2864, 0.2914, 0.3821



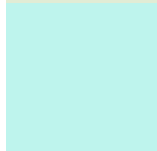
## Protanomaly

81.5038, 0.3239, 0.3735



## Deuteranomaly

80.8026, 0.3196, 0.3535



## Tritanomaly

81.7629, 0.2835, 0.3366

# Monochromacy



## Original Color

82.2864, 0.2914, 0.3821



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

76.0731, 0.3038, 0.3479

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.2864, 0.2914, 0.3821 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(173, 251, 205)` looks like.

```
.text, #text, p{  
    color:rgb(173, 251, 205)  
}
```

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(173, 251, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 251, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 82.2864, 0.2914, 0.3821 is called "border". The border property can be set on classes, ids or directly on the HTML element.

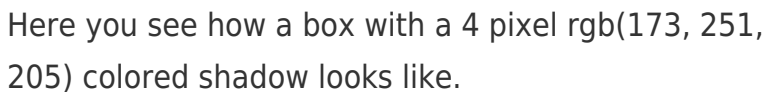
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(173, 251, 205) }
```

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

```
.border{ border-color:rgb(173, 251, 205) }
```

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



Here you see how a box with a 4 pixel `rgb(173, 251, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(173, 251, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(173, 251, 205); box-shadow:4px 4px 4px 4px rgb(173, 251, 205) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.2864, 0.2914, 0.3821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 251, 205) }
```

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

```
.background{ background-color: rgb(173,  
251, 205) }
```

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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