

# Converting Colors

$Yxy(81.2312, 0.2993, 0.3963)$

Have a look what the booklet for  
Yxy(81.2312, 0.2993, 0.3963)  
contains.

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**Color**

**Yxy(81.2909, 0.2994, 0.3966)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFFAC0
RGB	175, 250, 192
RGB Percent	69%, 98%, 75%
CMY	0.3139, 0.0195, 0.2471
CMYK	0.30, 0.00, 0.23, 0.02
HSL	134°, 88%, 83%
HSV	134°, 30%, 98%
XYZ	61.3679, 81.2909, 62.3107
YIQ	220.9630, -26.0820, -33.9380

# Conversions

## Conversions Part 2

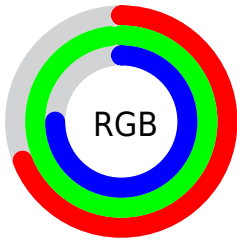
Format	Color
<a href="#">RYB</a>	<a href="#">175, 236, 250</a>
Decimal	<a href="#">11532992</a>
CIELab	<a href="#">92.26, -34.49, 20.61</a>
CIELCh	<a href="#">92, 40.178, 149.138</a>
Yxy	<a href="#">81.2909, 0.2994, 0.3966</a>
Android (android.graphics.Color)	<a href="#">4289723072 (0xFFAFFAC0)</a>
YUV	<a href="#">220.9630, -14.2788, -40.3096</a>
Hunter-Lab	<a href="#">90.1615, -36.2876, 22.1376</a>

# Details

The Yxy color **81.2909, 0.2994, 0.3966** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **56.8489, 0.3296, 0.2698**, and the grayscale version is **72.3879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5154, 0.3021, 0.3349**, and **43.9680, 0.2956, 0.4138** is the 20% darker color. If you saturate the color by 10%, you get **77.8640, 0.2955, 0.4240**, and if you desaturate by 10%, it is **85.3726, 0.3037, 0.3715**.

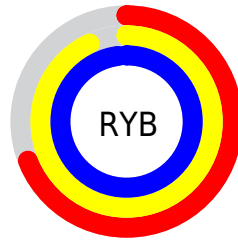
# Distribution



Red (69%)

Green (98%)

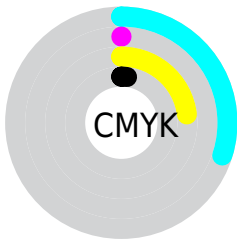
Blue (75%)



Red (69%)

Yellow (93%)

Blue (98%)

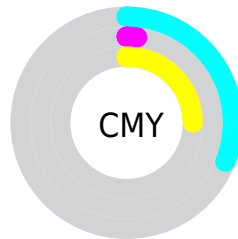


Cyan (30%)

Magenta (0%)

Yellow (23%)

Black (2%)



Cyan (31%)

Magenta (2%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.2909, 0.2994, 0.3966 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 81.2909, 0.2994, 0.3966 by changing the saturation by 10% instead.




 81.2909, 0.2994,  
0.3966

 81.2909, 0.2994,  
0.3966

499.2727, 0.3062,  
0.3645

 60.7812, 0.2977,  
0.4041


 135.1792, 0.3019,  
0.3853

 44.0486, 0.2955,  
0.4135


169.3265, 0.3028,  
0.3810

 30.7087, 0.2927,  
0.4255


208.7885, 0.3036,  
0.3772

 20.3772, 0.2887,  
0.4415

253.9496, 0.3042,  
0.3740

 12.6695, 0.2829,  
0.4636

305.1942, 0.3048,  
0.3712

 7.2014, 0.2738,  
0.4962


362.9066, 0.3053,


 3.5883, 0.2578,


0.3687

0.5482

427.4713, 0.3058,  
0.3665

 1.4461, 0.2321,  
0.7488


 0.2503, 0.0000,  
1.0000


 81.2909, 0.2994,  
0.3966


 81.2909, 0.2994,  
0.3966


 77.8640, 0.2955,  
0.4240


 85.3726, 0.3037,  
0.3715


 75.0479, 0.2922,  
0.4530

 90.1303, 0.3082,  
0.3490

 72.8086, 0.2900,  
0.4827

 95.5969, 0.3127,  
0.3290

 71.1051, 0.2890,  
0.5116

 96.8617, 0.3129,  
0.3243

■ 69.8905, 0.2894,  
0.5381

■ 69.1094, 0.2911,  
0.5605

■ 68.6743, 0.2938,  
0.5778

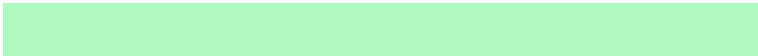
# Harmonies

## Analogous

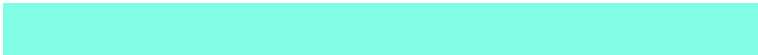
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2909, 0.3456, 0.4134



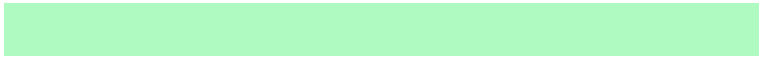
81.2909, 0.2994, 0.3966



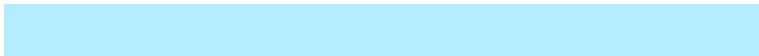
81.2909, 0.2588, 0.3567

# Triad

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



81.2909, 0.2994, 0.3966



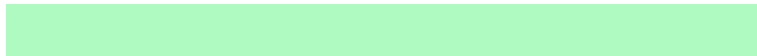
81.2909, 0.2427, 0.2564



81.2909, 0.3988, 0.3375

# Complementary

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



81.2909, 0.2994, 0.3966



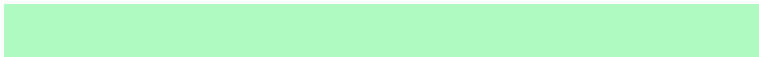
56.8489, 0.3296, 0.2698

# 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.



81.2909, 0.3671, 0.3015



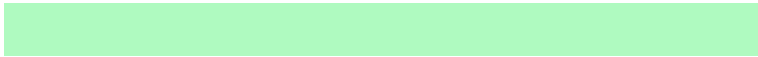
81.2909, 0.2994, 0.3966



81.2909, 0.2756, 0.2564

# Square

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



81.2909, 0.2994, 0.3966



81.2909, 0.2280, 0.2747



81.2909, 0.3209, 0.2726

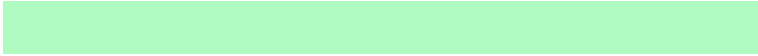


81.2909, 0.4050, 0.3743



# Rectangle

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



81.2909, 0.2994, 0.3966



81.2909, 0.2398, 0.3254



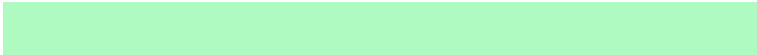
81.2909, 0.3209, 0.2726



81.2909, 0.3907, 0.3251

# Sweetspot

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



81.2943, 0.2994, 0.3966



94.8136, 0.3087, 0.3468



88.9252, 0.3469, 0.4072



20.1268, 0.3080, 0.3499



0.0000, 0.0000, 0.0000

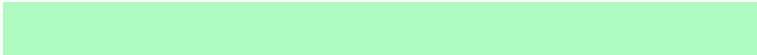


21.4041, 0.3127, 0.3290

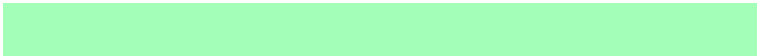


# Same Dimension

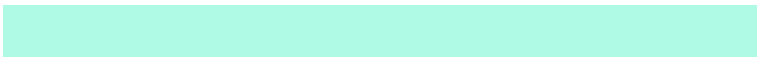
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.2943, 0.2994, 0.3966



82.7894, 0.2970, 0.4128



83.1326, 0.2800, 0.3528



19.3737, 0.3084, 0.3479



36.4393, 0.2932, 0.5754



3.3903, 0.2872, 0.5539



# Inverse Universe

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



56.8489, 0.3296, 0.2698



53.4760, 0.3339, 0.2579



54.9618, 0.3612, 0.3066



17.4532, 0.3173, 0.3108



12.8525, 0.3883, 0.1913

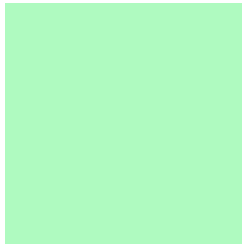


1.2063, 0.3785, 0.1859



# Previews

## White Background



This preview shows how the Yxy color 81.2909, 0.2994, 0.3966 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 81.2909, 0.2994, 0.3966 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

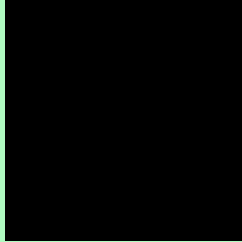
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 81.2909, 0.2994, 0.3966**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.2909, 0.2994, 0.3966.

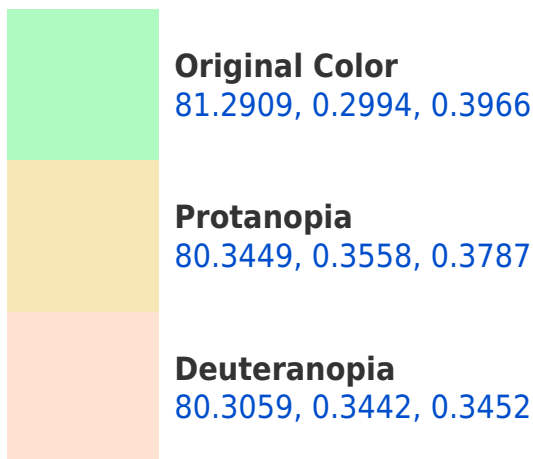


This preview shows how white text looks on a background with the Yxy color 81.2909, 0.2994, 0.3966.

# 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

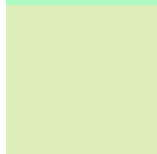
80.9588, 0.2781, 0.3119

# Trichromacy



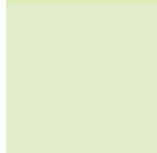
## Original Color

81.2909, 0.2994, 0.3966



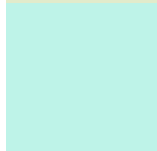
## Protanomaly

80.0664, 0.3336, 0.3857



## Deuteranomaly

79.8972, 0.3268, 0.3634



## Tritanomaly

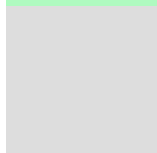
80.8745, 0.2862, 0.3411

# Monochromacy



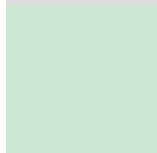
## Original Color

81.2909, 0.2994, 0.3966



## Achromatopsia

72.3055, 0.3127, 0.3290



## Achromatomaly

75.2037, 0.3075, 0.3537

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.2909, 0.2994, 0.3966 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(175, 250, 192)` looks like.

```
.text, #text, p{  
    color:rgb(175, 250, 192)  
}
```

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(175, 250, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 250, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 81.2909, 0.2994, 0.3966 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(175, 250, 192) }
```

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

```
.border{ border-color:rgb(175, 250, 192) }
```

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

Here you see how a box with a 4 pixel rgb(175, 250, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 250, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 250, 192);  
box-shadow:4px 4px 4px 4px rgb(175, 250,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.2909, 0.2994, 0.3966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 250, 192) }
```

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

```
.background{ background-color: rgb(175,  
250, 192) }
```

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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