

# Converting Colors

$Yxy(81.5907, 0.2816, 0.3993)$

Have a look what the booklet for  
Yxy(81.5907, 0.2816, 0.3993)  
contains.

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# Color

**Yxy(81.6165, 0.2821, 0.3998)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92FFC4
RGB	146, 255, 196
RGB Percent	57%, 100%, 77%
CMY	0.4271, 0.0000, 0.2314
CMYK	0.43, 0.00, 0.23, 0.00
HSL	147°, 100%, 79%
HSV	147°, 43%, 100%
XYZ	57.5888, 81.6165, 64.9380
YIQ	215.6830, -46.0250, -41.4570

# Conversions

## Conversions Part 2

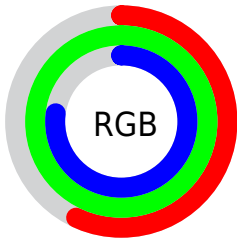
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 221, 255
Decimal	9633732
CIELab	92.41, -44.17, 18.56
CIELCh	92, 47.910, 157.212
Yxy	81.6165, 0.2821, 0.3998
Android (android.graphics.Color)	4287823812 (0xFF92FFC4)
YUV	215.6830, -9.7037, -61.1120
Hunter-Lab	90.3419, -44.3126, 20.6215

# Details

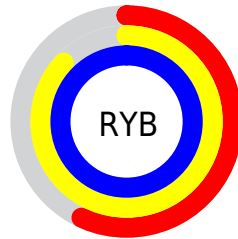
The Yxy color **81.6165, 0.2821, 0.3998** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **46.2566, 0.3632, 0.2685**, and the grayscale version is **68.5484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4492, 0.2837, 0.3310**, and **44.4159, 0.2742, 0.4184** is the 20% darker color. If you saturate the color by 10%, you get **78.9356, 0.2771, 0.4203**, and if you desaturate by 10%, it is **84.8832, 0.2883, 0.3806**.

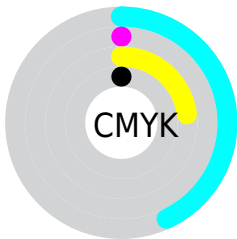
# Distribution



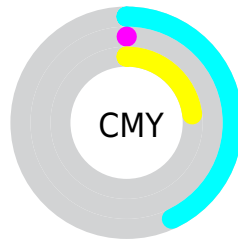
- Red (57%)
- Green (100%)
- Blue (77%)



- Red (57%)
- Yellow (87%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)




- Cyan (43%)
- Magenta (0%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.6165, 0.2821, 0.3998 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 81.6165, 0.2821, 0.3998 by changing the saturation by 10% instead.





 81.6165, 0.2821,  
0.3998

 81.6165, 0.2821,  
0.3998


500.3640, 0.2968,  
0.3661

 61.0495, 0.2786,  
0.4077


 135.6361, 0.2873,  
0.3879

 44.2651, 0.2743,  
0.4176


 169.8574, 0.2893,  
0.3833

 30.8790, 0.2687,  
0.4304


209.3990, 0.2910,  
0.3794

 20.5067, 0.2613,  
0.4473

254.6452, 0.2924,  
0.3760

 12.7639, 0.2509,  
0.4709

305.9804, 0.2937,  
0.3731

 7.2662, 0.2354,  
0.5057

363.7890, 0.2949,

 3.6291, 0.2104,

0.3705

428.4554, 0.2959,  
0.3681

0.5616

1.4683, 0.1199,  
0.7755

0.2663, 0.0000,  
1.0000

81.6165, 0.2821,  
0.3998

81.6165, 0.2821,  
0.3998

78.9356, 0.2771,  
0.4203

84.8832, 0.2883,  
0.3806

76.7939, 0.2736,  
0.4415

88.7590, 0.2953,  
0.3629

75.1537, 0.2720,  
0.4631

93.2780, 0.3028,  
0.3469

73.9680, 0.2723,  
0.4843

98.4688, 0.3106,  
0.3326

■ 73.1799, 0.2746,  
0.5043

99.9952, 0.3127,  
0.3290

■ 72.7960, 0.2772,  
0.5180

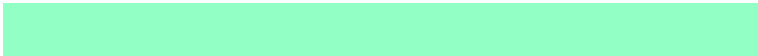
# Harmonies

## Analogous

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



81.6165, 0.3362, 0.4286



81.6165, 0.2821, 0.3998



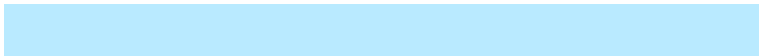
81.6165, 0.2387, 0.3465

# Triad

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



81.6165, 0.2821, 0.3998



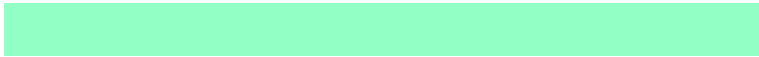
81.6165, 0.2388, 0.2418



81.6165, 0.4206, 0.3497

# Complementary

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



81.6165, 0.2821, 0.3998



46.2566, 0.3632, 0.2685

# 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.



81.6165, 0.3901, 0.3069



81.6165, 0.2821, 0.3998



81.6165, 0.2818, 0.2476

# Square

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



81.6165, 0.2821, 0.3998



81.6165, 0.2159, 0.2565



81.6165, 0.3375, 0.2708

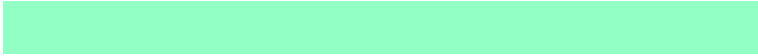


81.6165, 0.4184, 0.3917



# Rectangle

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



81.6165, 0.2821, 0.3998



81.6165, 0.2208, 0.3094



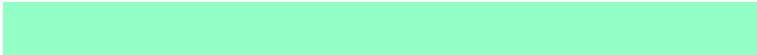
81.6165, 0.3375, 0.2708



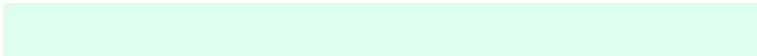
81.6165, 0.4138, 0.3351

# Sweetspot

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



81.6198, 0.2821, 0.3998



93.1427, 0.3026, 0.3474



86.7133, 0.3430, 0.4479



19.7116, 0.3009, 0.3508



0.0000, 0.0000, 0.0000

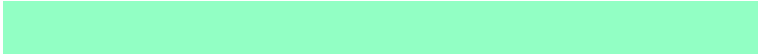


21.4041, 0.3127, 0.3290



# Same Dimension

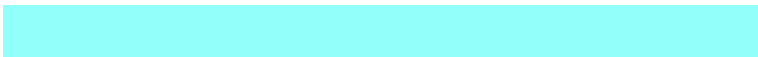
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6198, 0.2821, 0.3998



79.3598, 0.2779, 0.4167



84.5084, 0.2569, 0.3350



20.3066, 0.3053, 0.3422



38.0693, 0.2764, 0.5150



3.7284, 0.2703, 0.4932



# Inverse Universe

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



46.2566, 0.3632, 0.2685



39.8731, 0.3776, 0.2575



44.0963, 0.4195, 0.3236



18.1517, 0.3209, 0.3162



12.1004, 0.4787, 0.2411

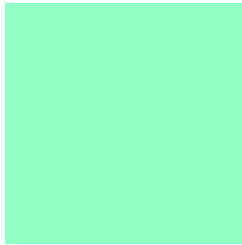


1.2002, 0.4557, 0.2284



# Previews

## White Background



This preview shows how the Yxy color 81.6165, 0.2821, 0.3998 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 81.6165, 0.2821, 0.3998 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 81.6165, 0.2821, 0.3998**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.6165, 0.2821, 0.3998.

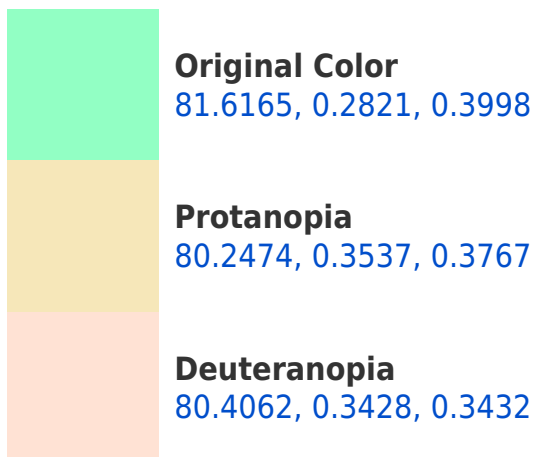


This preview shows how white text looks on a background with the Yxy color 81.6165, 0.2821, 0.3998.

# 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

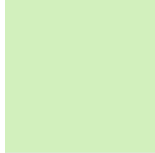
80.9494, 0.2733, 0.3138

# Trichromacy



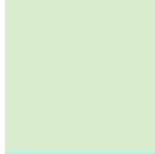
## Original Color

81.6165, 0.2821, 0.3998



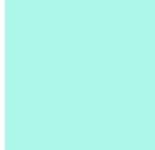
## Protanomaly

79.6959, 0.3239, 0.3857



## Deuteranomaly

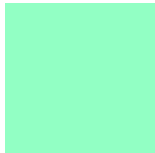
79.4717, 0.3171, 0.3629



## Tritanomaly

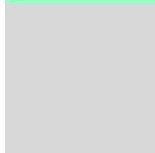
80.7363, 0.2759, 0.3424

# Monochromacy



## Original Color

81.6165, 0.2821, 0.3998



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

72.2734, 0.2996, 0.3532

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.6165, 0.2821, 0.3998 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(146, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(146, 255, 196)  
}
```

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(146, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 255, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 81.6165, 0.2821, 0.3998 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(146, 255, 196) }
```

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

```
.border{ border-color:rgb(146, 255, 196) }
```

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

Here you see how a box with a 4 pixel rgb(146, 255, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(146, 255,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.6165, 0.2821, 0.3998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 255, 196) }
```

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

```
.background{ background-color: rgb(146,  
255, 196) }
```

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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