

# Converting Colors

$Yxy(81.3285, 0.3190, 0.4559)$

Have a look what the booklet for  
Yxy(81.3285, 0.3190, 0.4559)  
contains.

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# Color

**Yxy(81.3150, 0.3186, 0.4556)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8FE93
RGB	168, 254, 147
RGB Percent	66%, 100%, 58%
CMY	0.3410, 0.0039, 0.4235
CMYK	0.34, 0.00, 0.42, 0.00
HSL	108°, 98%, 79%
HSV	108°, 42%, 100%
XYZ	56.8634, 81.3150, 40.3005
YIQ	216.0880, -16.9090, -51.5090

# Conversions

## Conversions Part 2

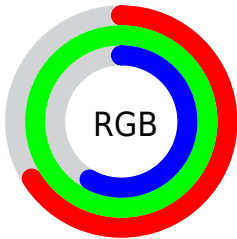
Format	Color
<a href="#">RYB</a>	<a href="#">147, 254, 233</a>
Decimal	<a href="#">11075219</a>
CIELab	<a href="#">92.27, -45.38, 43.08</a>
CIElCh	<a href="#">92, 62.569, 136.490</a>
Yxy	<a href="#">81.3150, 0.3186, 0.4556</a>
Android (android.graphics.Color)	<a href="#">4289265299 (0xFFA8FE93)</a>
YUV	<a href="#">216.0880, -34.0604, -42.1732</a>
Hunter-Lab	<a href="#">90.1748, -45.2456, 36.6248</a>

# Details

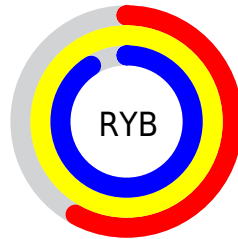
The Yxy color **81.3150, 0.3186, 0.4556** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **45.3384, 0.2998, 0.2196**, and the grayscale version is **68.9856, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9530, 0.3251, 0.3843**, and **44.1854, 0.3169, 0.4884** is the 20% darker color. If you saturate the color by 10%, you get **78.5399, 0.3185, 0.4898**, and if you desaturate by 10%, it is **84.6245, 0.3179, 0.4218**.

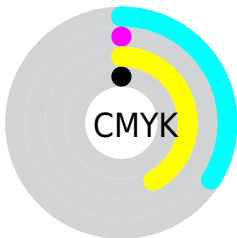
# Distribution



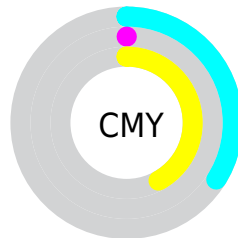
- Red (66%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (91%)



- Cyan (34%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)




- Cyan (34%)
- Magenta (0%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.3150, 0.3186, 0.4556 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 81.3150, 0.3186, 0.4556 by changing the saturation by 10% instead.





 81.3150, 0.3186,  
0.4556

 81.3150, 0.3186,  
0.4556


499.3535, 0.3185,  
0.3947

 60.8011, 0.3179,  
0.4699

 135.2130, 0.3191,  
0.4341

 44.0646, 0.3167,  
0.4877


 169.3658, 0.3192,  
0.4258

 30.7213, 0.3144,  
0.5103


208.8337, 0.3191,  
0.4188

 20.3867, 0.3104,  
0.5398

254.0011, 0.3190,  
0.4126

 12.6765, 0.3029,  
0.5795

305.2524, 0.3189,  
0.4073

 7.2061, 0.2883,  
0.6344

362.9720, 0.3188,


 3.5914, 0.2658,


0.4026


0.7342


427.5442, 0.3186,  
0.3984


 1.4477, 0.1125,  
0.8875


 0.2515, 0.0000,  
1.0000


 81.3150, 0.3186,  
0.4556

 81.3150, 0.3186,  
0.4556


 78.5399, 0.3185,  
0.4898


 84.6245, 0.3179,  
0.4218


 76.2606, 0.3175,  
0.5223

 88.4839, 0.3167,  
0.3899

 74.4500, 0.3154,  
0.5510

 92.9208, 0.3150,  
0.3606

 73.0736, 0.3124,  
0.5736

 97.9580, 0.3131,  
0.3342

■ 72.0918, 0.3087,  
0.5885

99.3622, 0.3128,  
0.3281

■ 71.5592, 0.3058,  
0.5954

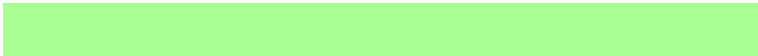
# Harmonies

## Analogous

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



81.3150, 0.3870, 0.4574



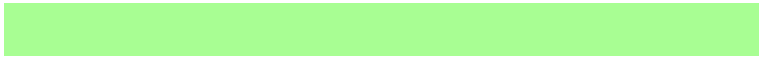
81.3150, 0.3186, 0.4556



81.3150, 0.2523, 0.4036

# Triad

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



81.3150, 0.3186, 0.4556



81.3150, 0.1963, 0.2272



81.3150, 0.4306, 0.3152

# Complementary

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



81.3150, 0.3186, 0.4556



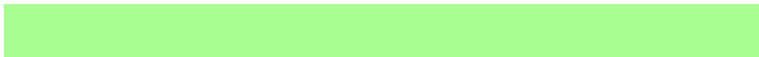
45.3384, 0.2998, 0.2196

# Split Complementary

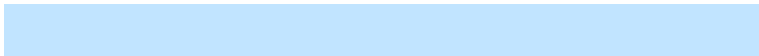
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.3150, 0.3673, 0.2675



81.3150, 0.3186, 0.4556



81.3150, 0.2324, 0.2186

# Square

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



81.3150, 0.3186, 0.4556



81.3150, 0.1869, 0.2630



81.3150, 0.2930, 0.2333

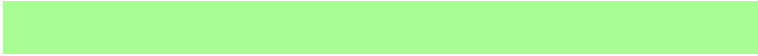


81.3150, 0.4569, 0.3689



# Rectangle

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



81.3150, 0.3186, 0.4556



81.3150, 0.2182, 0.3526



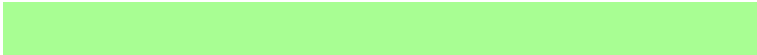
81.3150, 0.2930, 0.2333



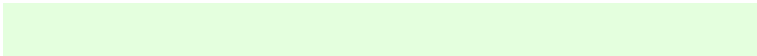
81.3150, 0.4125, 0.2983

# Sweetspot

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



81.3185, 0.3186, 0.4556



93.3405, 0.3152, 0.3630



81.2275, 0.3841, 0.4150



19.7587, 0.3156, 0.3693



0.0000, 0.0000, 0.0000

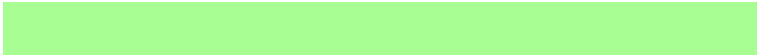


21.4041, 0.3127, 0.3290



# Same Dimension

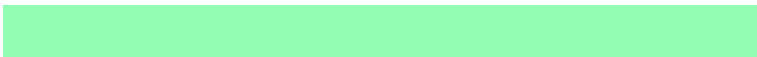
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.3185, 0.3186, 0.4556



79.5337, 0.3186, 0.4860



80.3438, 0.2908, 0.4201



20.3401, 0.3145, 0.3534



37.7756, 0.3066, 0.5948



3.7208, 0.3134, 0.5894



# Inverse Universe

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



45.3384, 0.2998, 0.2196



38.6019, 0.2959, 0.1975



47.2061, 0.3458, 0.2532



18.1093, 0.3106, 0.3054



10.6067, 0.2715, 0.1269

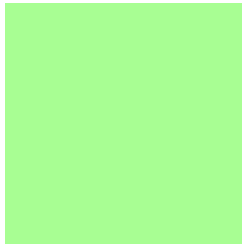


1.0766, 0.2774, 0.1302



# Previews

## White Background



This preview shows how the Yxy color 81.3150, 0.3186, 0.4556 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

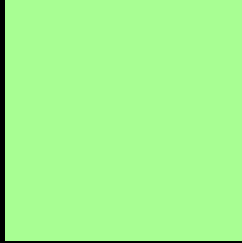
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.3150, 0.3186, 0.4556 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 81.3150, 0.3186, 0.4556**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.3150, 0.3186, 0.4556.

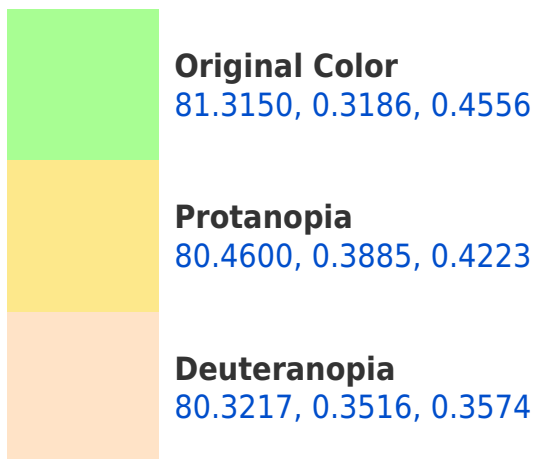


This preview shows how white text looks on a background with the Yxy color 81.3150, 0.3186, 0.4556.

# 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

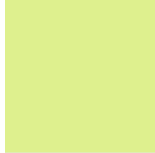
80.8233, 0.2776, 0.3118

# Trichromacy



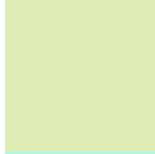
## Original Color

81.3150, 0.3186, 0.4556



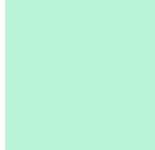
## Protanomaly

79.8028, 0.3606, 0.4349



## Deuteranomaly

79.5516, 0.3390, 0.3911



## Tritanomaly

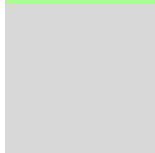
80.0983, 0.2926, 0.3607

# Monochromacy



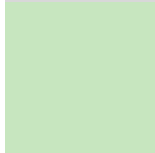
## Original Color

81.3150, 0.3186, 0.4556



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

72.4973, 0.3161, 0.3741

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.3150, 0.3186, 0.4556 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(168, 254, 147)` looks like.

```
.text, #text, p{  
    color:rgb(168, 254, 147)  
}
```

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(168, 254, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 254, 147) }
```

## Border

The CSS property to change the border of an element to Yxy 81.3150, 0.3186, 0.4556 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(168, 254, 147) }
```

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

```
.border{ border-color:rgb(168, 254, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 254, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 254, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 254, 147);  
box-shadow:4px 4px 4px 4px rgb(168, 254,  
147) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.3150, 0.3186, 0.4556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 254, 147) }
```

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

```
.background{ background-color: rgb(168,  
254, 147) }
```

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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