

# Converting Colors

Yxy(80.5074, 0.3140, 0.4442)

Have a look what the booklet for  
Yxy(80.5074, 0.3140, 0.4442)  
contains.

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# Color

**Yxy(80.2366, 0.3136, 0.4435)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7FC9C
RGB	167, 252, 156
RGB Percent	65%, 99%, 61%
CMY	0.3454, 0.0117, 0.3883
CMYK	0.34, 0.00, 0.38, 0.01
HSL	113°, 94%, 80%
HSV	113°, 38%, 99%
XYZ	56.7355, 80.2366, 43.9447
YIQ	215.6410, -19.8440, -47.8760

# Conversions

## Conversions Part 2

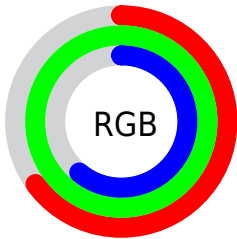
Format	Color
R <sub>YB</sub>	156, 252, 241
Decimal	11009180
CIE Lab	91.79, -43.62, 38.04
CIE LCh	92, 57.882, 138.907
Yxy	80.2366, 0.3136, 0.4435
Android (android.graphics.Color)	4289199260 (0xFFA7FC9C)
YUV	215.6410, -29.4030, -42.6582
Hunter-Lab	89.5749, -43.6966, 33.6152

# Details

The Yxy color **80.2366, 0.3136, 0.4435** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **49.5188, 0.3080, 0.2320**, and the grayscale version is **68.6173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2307, 0.3193, 0.3748**, and **43.3890, 0.3113, 0.4736** is the 20% darker color. If you saturate the color by 10%, you get **77.2485, 0.3129, 0.4786**, and if you desaturate by 10%, it is **83.8285, 0.3138, 0.4096**.

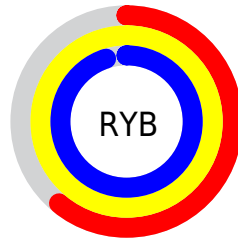
# Distribution



Red (65%)

Green (99%)

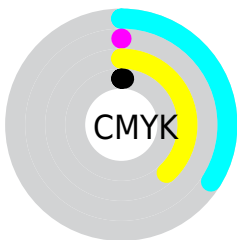
Blue (61%)



Red (61%)

Yellow (99%)

Blue (95%)

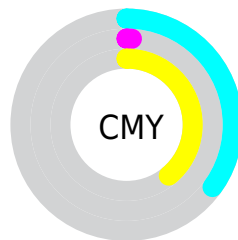


Cyan (34%)

Magenta (0%)

Yellow (38%)

Black (1%)



Cyan (35%)

Magenta (1%)


Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.2366, 0.3136, 0.4435 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 80.2366, 0.3136, 0.4435 by changing the saturation by 10% instead.





 80.2366, 0.3136,  
0.4435

 80.2366, 0.3136,  
0.4435


495.7298, 0.3152,  
0.3883

 59.9131, 0.3127,  
0.4565


 133.6983, 0.3146,  
0.4240

 43.3486, 0.3112,  
0.4728


 167.6053, 0.3149,  
0.4165

 30.1587, 0.3088,  
0.4936


206.8089, 0.3150,  
0.4101

 19.9591, 0.3049,  
0.5210

251.6935, 0.3152,  
0.4045

 12.3653, 0.2979,  
0.5584

302.6435, 0.3152,  
0.3997

 6.9930, 0.2846,  
0.6115


360.0433, 0.3152,


 3.4577, 0.2717,

0.3954

0.7283

424.2773, 0.3153,  
0.3917

 1.3751, 0.1133,  
0.8867


 0.1983, 0.0000,  
1.0000


 80.2366, 0.3136,  
0.4435


 80.2366, 0.3136,  
0.4435


 77.2485, 0.3129,  
0.4786


 83.8285, 0.3138,  
0.4096


 74.8213, 0.3117,  
0.5130

 88.0442, 0.3136,  
0.3781

 72.9227, 0.3099,  
0.5442

 92.9150, 0.3132,  
0.3496

 71.5128, 0.3076,  
0.5697

 98.1122, 0.3128,  
0.3262

■ 70.5458, 0.3051,  
0.5874

■ 69.9650, 0.3026,  
0.5969

■ 69.8891, 0.3023,  
0.5982

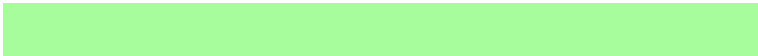
# Harmonies

## Analogous

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



80.2366, 0.3780, 0.4500



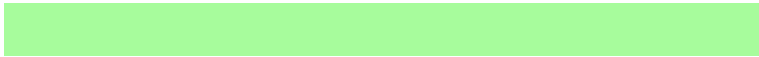
80.2366, 0.3136, 0.4435



80.2366, 0.2523, 0.3926

# Triad

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



80.2366, 0.3136, 0.4435



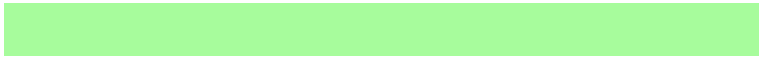
80.2366, 0.2052, 0.2322



80.2366, 0.4257, 0.3206

# Complementary

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



80.2366, 0.3136, 0.4435



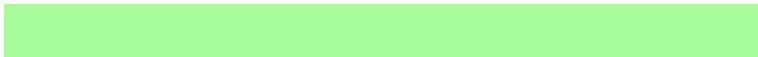
49.5188, 0.3080, 0.2320

# 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.



80.2366, 0.3691, 0.2747



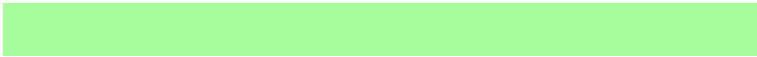
80.2366, 0.3136, 0.4435



80.2366, 0.2414, 0.2256

# Square

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



80.2366, 0.3136, 0.4435



80.2366, 0.1943, 0.2642



80.2366, 0.2999, 0.2411

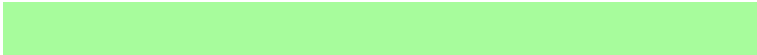


80.2366, 0.4472, 0.3715



# Rectangle

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



80.2366, 0.3136, 0.4435



80.2366, 0.2214, 0.3454



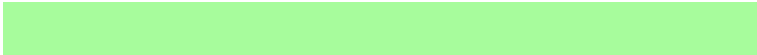
80.2366, 0.2999, 0.2411



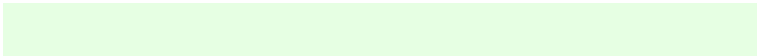
80.2366, 0.4098, 0.3044

# Sweetspot

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



80.2400, 0.3136, 0.4435



93.9102, 0.3134, 0.3576



85.9001, 0.3739, 0.4142



19.9526, 0.3134, 0.3614



0.0000, 0.0000, 0.0000

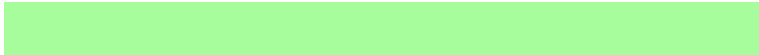


21.4041, 0.3127, 0.3290

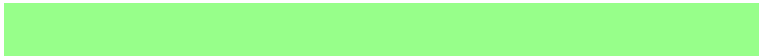


# Same Dimension

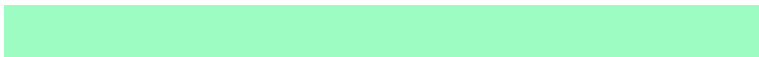
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2400, 0.3136, 0.4435



79.9313, 0.3131, 0.4713



80.5408, 0.2885, 0.3997



19.4038, 0.3133, 0.3534



36.4311, 0.3028, 0.5978



3.4039, 0.3081, 0.5936



# Inverse Universe

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



49.5188, 0.3080, 0.2320



44.1246, 0.3065, 0.2127



49.3901, 0.3491, 0.2680



17.4183, 0.3120, 0.3055



11.8993, 0.2923, 0.1384

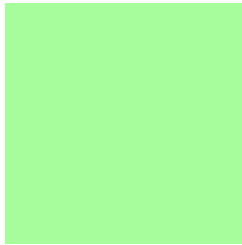


1.1297, 0.2959, 0.1404



# Previews

## White Background



This preview shows how the Yxy color 80.2366, 0.3136, 0.4435 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

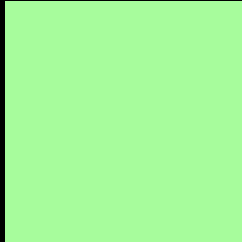
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.2366, 0.3136, 0.4435 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 80.2366, 0.3136, 0.4435**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.2366, 0.3136, 0.4435.

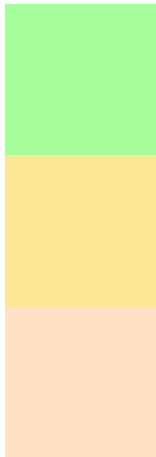


This preview shows how white text looks on a background with the Yxy color 80.2366, 0.3136, 0.4435.

# 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

80.2366, 0.3136, 0.4435

### Protanopia

79.2094, 0.3828, 0.4134

### Deuteranopia

79.1876, 0.3528, 0.3565



## Tritanopia

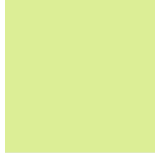
79.7065, 0.2752, 0.3106

# Trichromacy



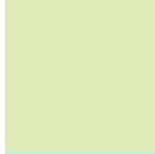
## Original Color

80.2366, 0.3136, 0.4435



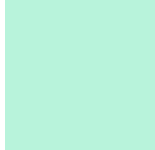
## Protanomaly

78.5667, 0.3551, 0.4253



## Deuteranomaly

78.5235, 0.3375, 0.3858



## Tritanomaly

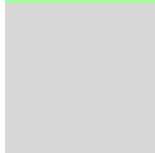
79.4060, 0.2898, 0.3562

# Monochromacy



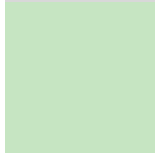
## Original Color

80.2366, 0.3136, 0.4435



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

71.9394, 0.3135, 0.3695

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.2366, 0.3136, 0.4435 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(167, 252, 156)` looks like.

```
.text, #text, p{  
    color:rgb(167, 252, 156)  
}
```

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(167, 252, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 252, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 80.2366, 0.3136, 0.4435 is called "border". The border property can be set on classes, ids or directly on the HTML element.

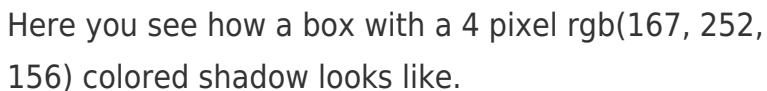
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 252, 156) }
```

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

```
.border{ border-color:rgb(167, 252, 156) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 252, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 252, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 252, 156); box-shadow:4px 4px 4px 4px rgb(167, 252, 156) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.2366, 0.3136, 0.4435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 252, 156) }
```

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

```
.background{ background-color: rgb(167,  
252, 156) }
```

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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