

# Converting Colors

$Yxy(81.1161, 0.3055, 0.4442)$

Have a look what the booklet for  
Yxy(81.1161, 0.3055, 0.4442)  
contains.

<b>Yxy(81.0911, 0.3056, 0.4447)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(81.0911, 0.3056, 0.4447)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CFF9F
RGB	156, 255, 159
RGB Percent	61%, 100%, 62%
CMY	0.3884, 0.0000, 0.3763
CMYK	0.39, 0.00, 0.38, 0.00
HSL	122°, 100%, 81%
HSV	122°, 39%, 100%
XYZ	55.7262, 81.0911, 45.5328
YIQ	214.4550, -28.1880, -50.8440

# Conversions

## Conversions Part 2

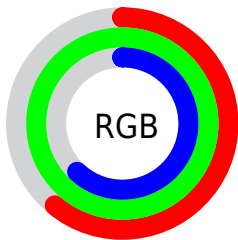
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">156, 252, 255</a>
Decimal	<a href="#">10289055</a>
CIELab	<a href="#">92.17, -47.78, 36.94</a>
CIELCh	<a href="#">92, 60.394, 142.288</a>
Yxy	<a href="#">81.0911, 0.3056, 0.4447</a>
Android (android.graphics.Color)	<a href="#">4288479135 (0xFF9CFF9F)</a>
YUV	<a href="#">214.4550, -27.3393, -51.2650</a>
Hunter-Lab	<a href="#">90.0506, -47.1270, 33.0563</a>

# Details

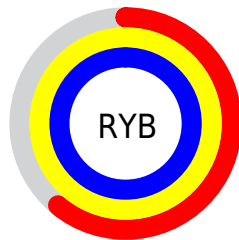
The Yxy color **81.0911, 0.3056, 0.4447** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **52.0501, 0.3197, 0.2354**, and the grayscale version is **67.7657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6712, 0.3107, 0.3725**, and **44.0814, 0.3014, 0.4756** is the 20% darker color. If you saturate the color by 10%, you get **78.0334, 0.3037, 0.4801**, and if you desaturate by 10%, it is **84.8507, 0.3075, 0.4106**.

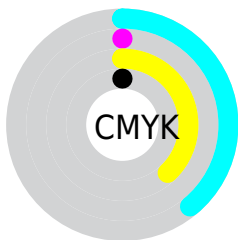
# Distribution



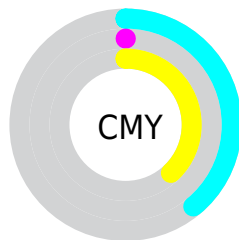
- Red (61%)
- Green (100%)
- Blue (62%)



- Red (61%)
- Yellow (99%)
- Blue (100%)



- Cyan (39%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (39%)
- Magenta (0%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.0911, 0.3056, 0.4447 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 81.0911, 0.3056, 0.4447 by changing the saturation by 10% instead.





 81.0911, 0.3056,  
0.4447


 81.0911, 0.3056,  
0.4447


498.6023, 0.3109,  
0.3888

 60.6166, 0.3038,  
0.4579


 134.8987, 0.3079,  
0.4249

 43.9158, 0.3014,  
0.4745


 169.0006, 0.3086,  
0.4173

 30.6044, 0.2978,  
0.4957


208.4137, 0.3092,  
0.4108

 20.2978, 0.2923,  
0.5238

253.5226, 0.3097,  
0.4052

 12.6117, 0.2834,  
0.5623

304.7114, 0.3101,  
0.4003

 7.1617, 0.2677,  
0.6172


362.3648, 0.3104,


 3.5634, 0.2488,


0.3960


0.7327

426.8669, 0.3107,  
0.3922

 1.4325, 0.0740,  
0.9260


 0.2405, 0.0000,  
1.0000


 81.0911, 0.3056,  
0.4447


 81.0911, 0.3056,  
0.4447


 78.0334, 0.3037,  
0.4801


 84.8507, 0.3075,  
0.4106

 75.6389, 0.3020,  
0.5148

 89.3575, 0.3095,  
0.3792

 73.8569, 0.3007,  
0.5463

 94.6471, 0.3113,  
0.3510

 72.6318, 0.2999,  
0.5717

100.0000, 0.3127,  
0.3290

■ 71.8978, 0.2996,  
0.5891

■ 71.5628, 0.2997,  
0.5981

■ 71.5373, 0.2996,  
0.5987

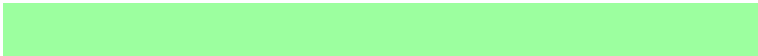
# Harmonies

## Analogous

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



81.0911, 0.3729, 0.4564



81.0911, 0.3056, 0.4447



81.0911, 0.2437, 0.3872

# Triad

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



81.0911, 0.3056, 0.4447



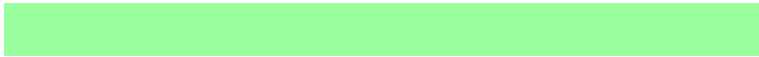
81.0911, 0.2044, 0.2267



81.0911, 0.4348, 0.3258

# Complementary

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



81.0911, 0.3056, 0.4447



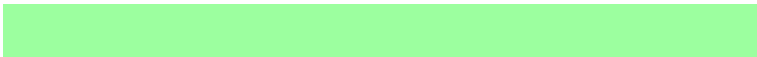
52.0501, 0.3197, 0.2354

# 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.



81.0911, 0.3790, 0.2776



81.0911, 0.3056, 0.4447



81.0911, 0.2446, 0.2228

# Square

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



81.0911, 0.3056, 0.4447



81.0911, 0.1902, 0.2564



81.0911, 0.3072, 0.2412

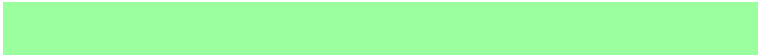


81.0911, 0.4521, 0.3784



# Rectangle

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



81.0911, 0.3056, 0.4447



81.0911, 0.2137, 0.3375



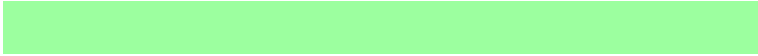
81.0911, 0.3072, 0.2412



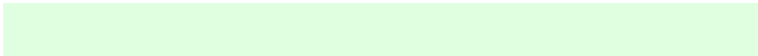
81.0911, 0.4197, 0.3088

# Sweetspot

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



81.0894, 0.3056, 0.4447



92.8866, 0.3107, 0.3596



94.8675, 0.3700, 0.4260



19.7310, 0.3105, 0.3632



0.0000, 0.0000, 0.0000

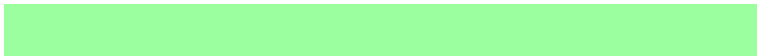


21.4041, 0.3127, 0.3290



# Same Dimension

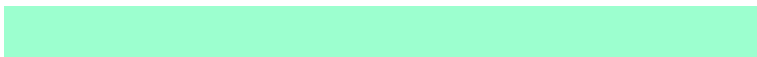
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0894, 0.3056, 0.4447



78.5435, 0.3041, 0.4736



83.0964, 0.2815, 0.3851



20.1773, 0.3111, 0.3528



37.3837, 0.2995, 0.5981



3.6430, 0.2982, 0.5936



# Inverse Universe

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



52.0501, 0.3197, 0.2354



45.6127, 0.3213, 0.2175



49.3780, 0.3625, 0.2797



18.2901, 0.3143, 0.3063



14.6251, 0.3288, 0.1585

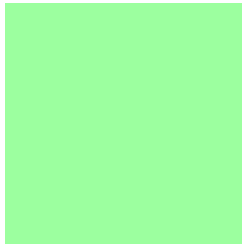


1.4269, 0.3279, 0.1580



# Previews

## White Background



This preview shows how the Yxy color 81.0911, 0.3056, 0.4447 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 81.0911, 0.3056, 0.4447 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

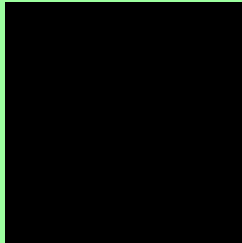
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 81.0911, 0.3056, 0.4447**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.0911, 0.3056, 0.4447.

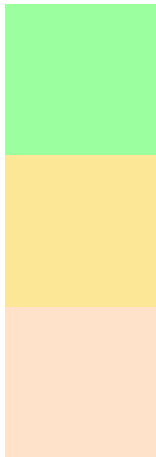


This preview shows how white text looks on a background with the Yxy color 81.0911, 0.3056, 0.4447.

# 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

81.0911, 0.3056, 0.4447

### Protanopia

79.8310, 0.3812, 0.4124

### Deuteranopia

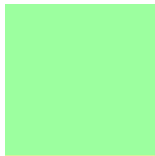
79.8698, 0.3505, 0.3544



## Tritanopia

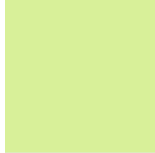
80.6165, 0.2743, 0.3128

# Trichromacy



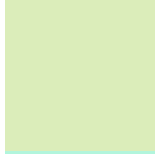
## Original Color

81.0911, 0.3056, 0.4447



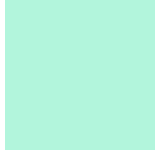
## Protanomaly

79.2190, 0.3499, 0.4249



## Deuteranomaly

79.1736, 0.3324, 0.3850



## Tritanomaly

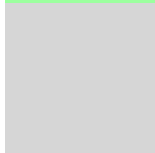
79.9371, 0.2859, 0.3574

# Monochromacy



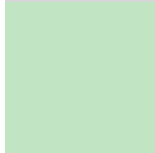
## Original Color

81.0911, 0.3056, 0.4447



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

71.2711, 0.3101, 0.3699

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.0911, 0.3056, 0.4447 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(156, 255, 159)` looks like.

```
.text, #text, p{  
    color:rgb(156, 255, 159)  
}
```

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(156, 255, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 255, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 81.0911, 0.3056, 0.4447 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(156, 255, 159) }
```

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

```
.border{ border-color:rgb(156, 255, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 255, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 255, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 255, 159);  
box-shadow:4px 4px 4px 4px rgb(156, 255,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.0911, 0.3056, 0.4447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 255, 159) }
```

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

```
.background{ background-color: rgb(156,  
255, 159) }
```

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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