

# Converting Colors

Yxy(80.3185, 0.3068, 0.4556)

Have a look what the booklet for  
Yxy(80.3185, 0.3068, 0.4556)  
contains.

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# Color

**Yxy(80.3337, 0.3068, 0.4555)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97FF97
RGB	151, 255, 151
RGB Percent	59%, 100%, 59%
CMY	0.4078, 0.0000, 0.4079
CMYK	0.41, 0.00, 0.41, 0.00
HSL	120°, 100%, 80%
HSV	120°, 41%, 100%
XYZ	54.1084, 80.3337, 41.9217
YIQ	212.0480, -28.6000, -54.3920

# Conversions

## Conversions Part 2

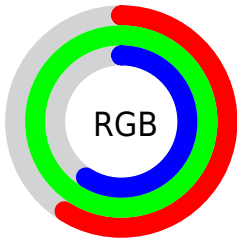
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 255, 255
Decimal	9961367
CIELab	91.83, -50.41, 40.42
CIELCh	92, 64.617, 141.274
Yxy	80.3337, 0.3068, 0.4555
Android (android.graphics.Color)	4288151447 (0xFF97FF97)
YUV	212.0480, -30.0967, -53.5391
Hunter-Lab	89.6291, -49.0917, 35.0090

# Details

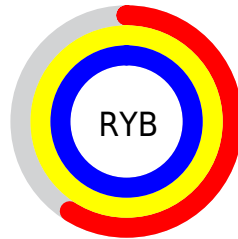
The Yxy color **80.3337, 0.3068, 0.4555** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **50.5995, 0.3174, 0.2283**, and the grayscale version is **66.0904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5315, 0.3121, 0.3817**, and **43.6497, 0.3028, 0.4892** is the 20% darker color. If you saturate the color by 10%, you get **77.4122, 0.3051, 0.4918**, and if you desaturate by 10%, it is **83.9625, 0.3085, 0.4200**.

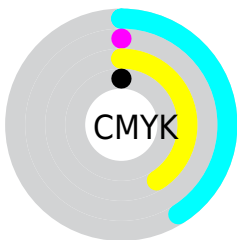
# Distribution



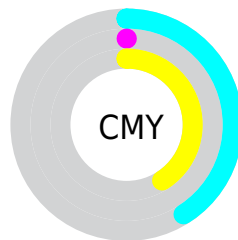
- Red (59%)
- Green (100%)
- Blue (59%)



- Red (59%)
- Yellow (100%)
- Blue (100%)



- Cyan (41%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)




- Cyan (41%)
- Magenta (0%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.3337, 0.3068, 0.4555 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 80.3337, 0.3068, 0.4555 by changing the saturation by 10% instead.





 80.3337, 0.3068,  
0.4555

 80.3337, 0.3068,  
0.4555


496.0567, 0.3120,  
0.3941

 59.9930, 0.3049,  
0.4701


 133.8348, 0.3091,  
0.4337

 43.4130, 0.3023,  
0.4883


 167.7640, 0.3099,  
0.4254

 30.2093, 0.2983,  
0.5116


206.9914, 0.3105,  
0.4183

 19.9975, 0.2922,  
0.5423

251.9016, 0.3109,  
0.4121

 12.3932, 0.2820,  
0.5843

302.8788, 0.3113,  
0.4067

 7.0121, 0.2637,  
0.6434


360.3074, 0.3116,


 3.4697, 0.2386,


0.4020


0.7614

424.5719, 0.3118,  
0.3978

 1.3816, 0.0105,  
0.9895


 0.2031, 0.0000,  
1.0000

 80.3337, 0.3068,  
0.4555


 80.3337, 0.3068,  
0.4555

 77.4122, 0.3051,  
0.4918

 83.9625, 0.3085,  
0.4200


 75.1507, 0.3035,  
0.5265

 88.3392, 0.3100,  
0.3869

 73.4982, 0.3020,  
0.5567

 93.5027, 0.3114,  
0.3572

 72.3957, 0.3010,  
0.5797

 99.4891, 0.3126,  
0.3309

■ 71.7726, 0.3003,  
0.5940

100.0000, 0.3127,  
0.3290

■ 71.5205, 0.3000,  
0.6000

# Harmonies

## Analogous

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



80.3337, 0.3784, 0.4650



80.3337, 0.3068, 0.4555



80.3337, 0.2406, 0.3944

# Triad

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



80.3337, 0.3068, 0.4555



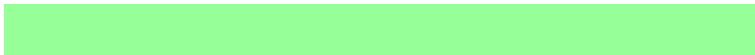
80.3337, 0.1967, 0.2206



80.3337, 0.4424, 0.3230

# Complementary

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



80.3337, 0.3068, 0.4555



50.5995, 0.3174, 0.2283

# 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.



80.3337, 0.3812, 0.2726



80.3337, 0.3068, 0.4555



80.3337, 0.2380, 0.2161

# Square

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



80.3337, 0.3068, 0.4555



80.3337, 0.1827, 0.2525



80.3337, 0.3039, 0.2348

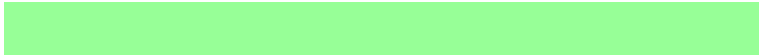


80.3337, 0.4620, 0.3785



# Rectangle

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



80.3337, 0.3068, 0.4555



80.3337, 0.2084, 0.3403



80.3337, 0.3039, 0.2348



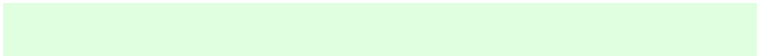
80.3337, 0.4257, 0.3052

# Sweetspot

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



80.3342, 0.3068, 0.4555



92.8365, 0.3112, 0.3606



93.9125, 0.3746, 0.4288



19.7194, 0.3111, 0.3643



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

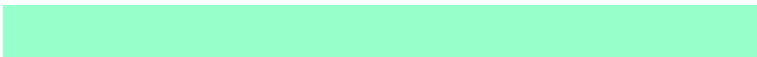
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3342, 0.3068, 0.4555



77.8861, 0.3054, 0.4853



82.3263, 0.2819, 0.3928



20.1685, 0.3116, 0.3536



37.3712, 0.3000, 0.6000



3.6388, 0.3000, 0.6000



# Inverse Universe

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



50.5995, 0.3174, 0.2283



44.4507, 0.3182, 0.2103



47.7805, 0.3626, 0.2738



18.3001, 0.3138, 0.3056



14.8731, 0.3208, 0.1541

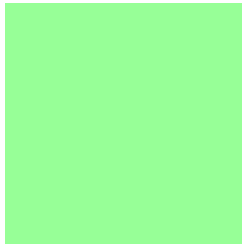


1.4482, 0.3208, 0.1541



# Previews

## White Background



This preview shows how the Yxy color 80.3337, 0.3068, 0.4555 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

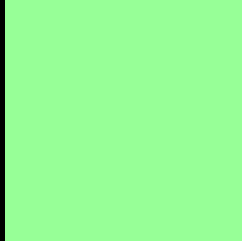
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.3337, 0.3068, 0.4555 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

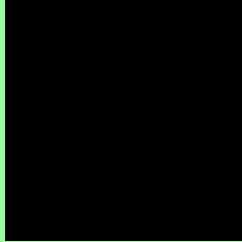
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.3337, 0.3068, 0.4555**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.3337, 0.3068, 0.4555.

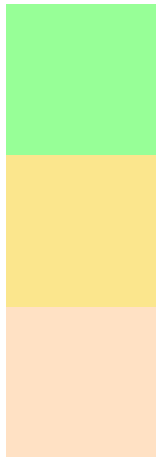


This preview shows how white text looks on a background with the Yxy color 80.3337, 0.3068, 0.4555.

# 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

80.3337, 0.3068, 0.4555

### Protanopia

79.0259, 0.3866, 0.4192

### Deuteranopia

79.0959, 0.3542, 0.3586



## Tritanopia

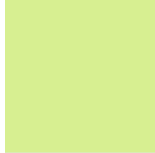
79.5178, 0.2720, 0.3116

# Trichromacy



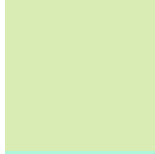
## Original Color

80.3337, 0.3068, 0.4555



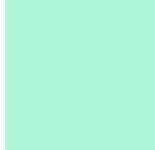
## Protanomaly

78.2244, 0.3541, 0.4328



## Deuteranomaly

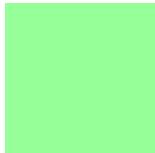
78.0379, 0.3349, 0.3910



## Tritanomaly

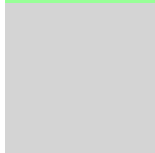
79.3132, 0.2852, 0.3612

# Monochromacy



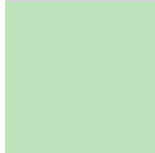
## Original Color

80.3337, 0.3068, 0.4555



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

70.1517, 0.3106, 0.3739

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.3337, 0.3068, 0.4555 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(151, 255, 151)` looks like.

```
.text, #text, p{  
    color:rgb(151, 255, 151)  
}
```

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(151, 255, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 255, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 80.3337, 0.3068, 0.4555 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(151, 255, 151) }
```

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

```
.border{ border-color:rgb(151, 255, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 255, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 255, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 255, 151);  
box-shadow:4px 4px 4px 4px rgb(151, 255,  
151) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.3337, 0.3068, 0.4555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 255, 151) }
```

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

```
.background{ background-color: rgb(151,  
255, 151) }
```

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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