

# Converting Colors

Yxy(80.7164, 0.3051, 0.4481)

Have a look what the booklet for  
Yxy(80.7164, 0.3051, 0.4481)  
contains.

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# Color

**Yxy(80.7266, 0.3050, 0.4478)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99FF9D
RGB	153, 255, 157
RGB Percent	60%, 100%, 62%
CMY	0.3999, 0.0000, 0.3845
CMYK	0.40, 0.00, 0.38, 0.00
HSL	122°, 100%, 80%
HSV	122°, 40%, 100%
XYZ	54.9835, 80.7266, 44.5637
YIQ	213.3300, -29.3340, -52.1020

# Conversions

## Conversions Part 2

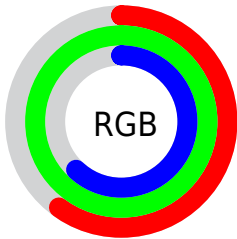
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">153, 251, 255</a>
Decimal	<a href="#">10092445</a>
CIELab	<a href="#">92.01, -48.95, 37.73</a>
CIELCh	<a href="#">92, 61.801, 142.371</a>
Yxy	<a href="#">80.7266, 0.3050, 0.4478</a>
Android (android.graphics.Color)	<a href="#">4288282525 (0xFF99FF9D)</a>
YUV	<a href="#">213.3300, -27.7707, -52.9094</a>
Hunter-Lab	<a href="#">89.8480, -47.9988, 33.4864</a>

# Details

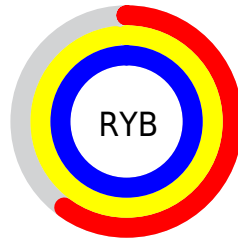
The Yxy color **80.7266, 0.3050, 0.4478** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **51.0206, 0.3206, 0.2334**, and the grayscale version is **66.9785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1224, 0.3100, 0.3749**, and **43.8744, 0.3007, 0.4795** is the 20% darker color. If you saturate the color by 10%, you get **77.7508, 0.3031, 0.4830**, and if you desaturate by 10%, it is **84.4033, 0.3070, 0.4137**.

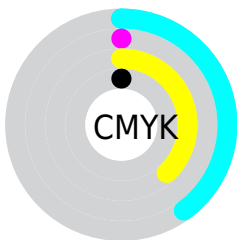
# Distribution



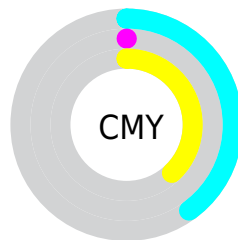
- Red (60%)
- Green (100%)
- Blue (62%)



- Red (60%)
- Yellow (98%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7266, 0.3050, 0.4478 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 80.7266, 0.3050, 0.4478 by changing the saturation by 10% instead.




 80.7266, 0.3050,  
0.4478

 80.7266, 0.3050,  
0.4478


497.3782, 0.3107,  
0.3903

 60.3165, 0.3031,  
0.4614


 134.3868, 0.3074,  
0.4274

 43.6738, 0.3005,  
0.4785


 168.4057, 0.3082,  
0.4196

 30.4141, 0.2967,  
0.5004


207.7296, 0.3089,  
0.4129

 20.1531, 0.2908,  
0.5293

252.7429, 0.3094,  
0.4071

 12.5064, 0.2813,  
0.5690

303.8300, 0.3098,  
0.4021

 7.0895, 0.2646,  
0.6256


361.3753, 0.3102,


 3.5182, 0.2461,

0.3977

0.7507

425.7632, 0.3105,  
0.3938


 1.4079, 0.0466,  
0.9534


 0.2225, 0.0000,  
1.0000


 80.7266, 0.3050,  
0.4478


 80.7266, 0.3050,  
0.4478


 77.7508, 0.3031,  
0.4830


 84.4033, 0.3070,  
0.4137

 75.4276, 0.3014,  
0.5174

 88.8172, 0.3090,  
0.3822

 73.7091, 0.3002,  
0.5483

 94.0068, 0.3109,  
0.3539

 72.5392, 0.2995,  
0.5731

100.0000, 0.3127,  
0.3290

■ 71.8511, 0.2994,  
0.5899

■ 71.5418, 0.2995,  
0.5984

■ 71.5416, 0.2995,  
0.5984

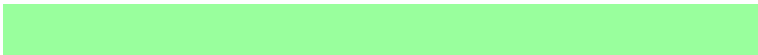
# Harmonies

## Analogous

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



80.7266, 0.3739, 0.4595



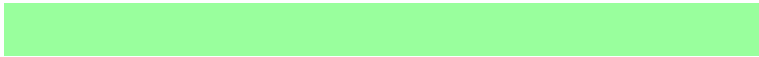
80.7266, 0.3050, 0.4478



80.7266, 0.2419, 0.3885

# Triad

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



80.7266, 0.3050, 0.4478



80.7266, 0.2022, 0.2244



80.7266, 0.4380, 0.3256

# Complementary

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



80.7266, 0.3050, 0.4478



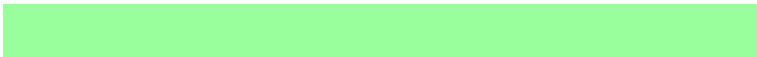
51.0206, 0.3206, 0.2334

# 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.



80.7266, 0.3808, 0.2765



80.7266, 0.3050, 0.4478



80.7266, 0.2431, 0.2206

# Square

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



80.7266, 0.3050, 0.4478



80.7266, 0.1877, 0.2544



80.7266, 0.3071, 0.2394

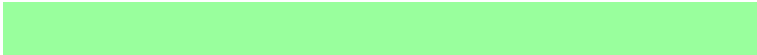


80.7266, 0.4554, 0.3792



# Rectangle

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



80.7266, 0.3050, 0.4478



80.7266, 0.2114, 0.3373



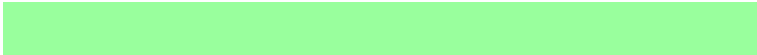
80.7266, 0.3071, 0.2394



80.7266, 0.4225, 0.3084

# Sweetspot

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



80.7280, 0.3050, 0.4478



92.8993, 0.3106, 0.3593



94.4418, 0.3705, 0.4292



19.7340, 0.3103, 0.3629



0.0000, 0.0000, 0.0000

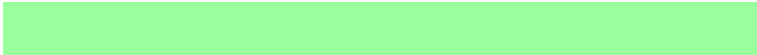


21.4041, 0.3127, 0.3290



# Same Dimension

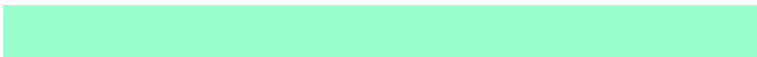
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7280, 0.3050, 0.4478



78.2895, 0.3035, 0.4760



82.8202, 0.2799, 0.3850



20.1795, 0.3110, 0.3526



37.3869, 0.2994, 0.5977



3.6440, 0.2978, 0.5921



# Inverse Universe

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



51.0206, 0.3206, 0.2334



44.8453, 0.3222, 0.2161



48.2503, 0.3662, 0.2799



18.2876, 0.3144, 0.3065



14.5641, 0.3308, 0.1596

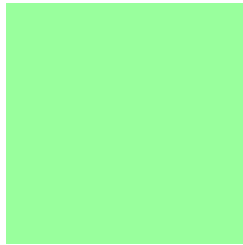


1.4217, 0.3296, 0.1589



# Previews

## White Background



This preview shows how the Yxy color 80.7266, 0.3050, 0.4478 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

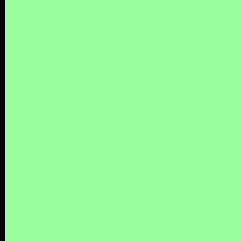
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.7266, 0.3050, 0.4478 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

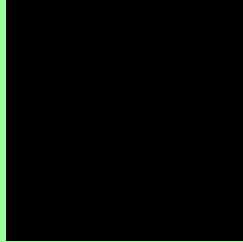
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

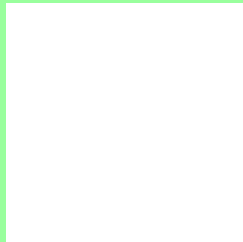
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.7266, 0.3050, 0.4478**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.7266, 0.3050, 0.4478.

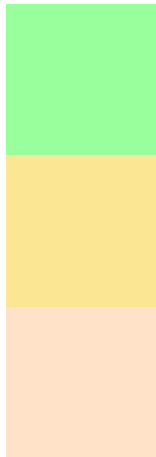


This preview shows how white text looks on a background with the Yxy color 80.7266, 0.3050, 0.4478.

# 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

80.7266, 0.3050, 0.4478

### Protanopia

79.7676, 0.3824, 0.4143

### Deuteranopia

79.7762, 0.3519, 0.3565



## Tritanopia

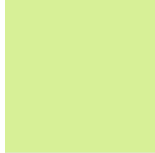
80.3590, 0.2732, 0.3127

# Trichromacy



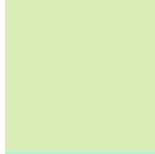
## Original Color

80.7266, 0.3050, 0.4478



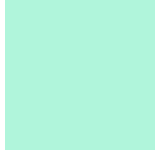
## Protanomaly

79.0016, 0.3503, 0.4273



## Deuteranomaly

78.9345, 0.3329, 0.3873



## Tritanomaly

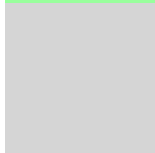
79.6494, 0.2853, 0.3587

# Monochromacy



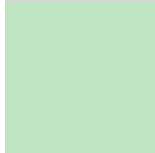
## Original Color

80.7266, 0.3050, 0.4478



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

70.4134, 0.3094, 0.3702

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.7266, 0.3050, 0.4478 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(153, 255, 157)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 157)  
}
```

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(153, 255, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 80.7266, 0.3050, 0.4478 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(153, 255, 157) }
```

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

```
.border{ border-color:rgb(153, 255, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.7266, 0.3050, 0.4478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 157) }
```

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

```
.background{ background-color: rgb(153,  
255, 157) }
```

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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