

# Converting Colors

$Yxy(80.4931, 0.3034, 0.4478)$

Have a look what the booklet for  
Yxy(80.4931, 0.3034, 0.4478)  
contains.

<b>Yxy(80.4384, 0.3033, 0.4483)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(80.4384, 0.3033, 0.4483)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96FF9D
RGB	150, 255, 157
RGB Percent	59%, 100%, 62%
CMY	0.4119, 0.0000, 0.3842
CMYK	0.41, 0.00, 0.38, 0.00
HSL	124°, 100%, 79%
HSV	124°, 41%, 100%
XYZ	54.4211, 80.4384, 44.5704
YIQ	212.4330, -31.1220, -52.7380

# Conversions

## Conversions Part 2

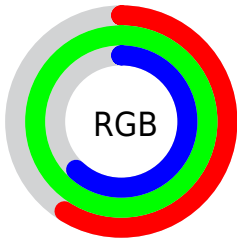
Format	Color
<a href="#">RYB</a>	<a href="#">150, 248, 255</a>
Decimal	<a href="#">9895837</a>
CIELab	<a href="#">91.88, -49.82, 37.50</a>
CIElCh	<a href="#">92, 62.354, 143.027</a>
Yxy	<a href="#">80.4384, 0.3033, 0.4483</a>
Android (android.graphics.Color)	<a href="#">4288085917 (0xFF96FF9D)</a>
YUV	<a href="#">212.4330, -27.3285, -54.7537</a>
Hunter-Lab	<a href="#">89.6875, -48.6418, 33.3169</a>

# Details

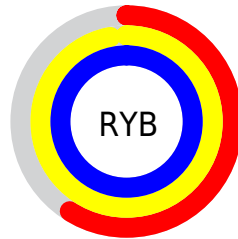
The Yxy color **80.4384, 0.3033, 0.4483** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **49.8355, 0.3233, 0.2333**, and the grayscale version is **66.3378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6834, 0.3081, 0.3752**, and **43.7148, 0.2989, 0.4803** is the 20% darker color. If you saturate the color by 10%, you get **77.5404, 0.3013, 0.4827**, and if you desaturate by 10%, it is **84.0169, 0.3056, 0.4150**.

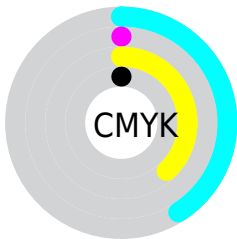
# Distribution



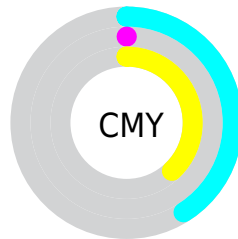
- Red (59%)
- Green (100%)
- Blue (62%)



- Red (59%)
- Yellow (97%)
- Blue (100%)



- Cyan (41%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (41%)
- Magenta (0%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.4384, 0.3033, 0.4483 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 80.4384, 0.3033, 0.4483 by changing the saturation by 10% instead.





 80.4384, 0.3033,  
0.4483


 80.4384, 0.3033,  
0.4483


496.4090, 0.3098,  
0.3904

 60.0792, 0.3012,  
0.4620


 133.9819, 0.3060,  
0.4278

 43.4825, 0.2984,  
0.4793


 167.9350, 0.3069,  
0.4199

 30.2638, 0.2943,  
0.5013


207.1882, 0.3077,  
0.4132

 20.0389, 0.2881,  
0.5306

252.1258, 0.3083,  
0.4074

 12.4234, 0.2781,  
0.5708

303.1323, 0.3087,  
0.4023

 7.0327, 0.2607,  
0.6282


360.5921, 0.3092,


 3.4826, 0.2410,


0.3979


0.7556

424.8896, 0.3095,  
0.3940


 1.3885, 0.0240,  
0.9760


 0.2083, 0.0000,  
1.0000


 80.4384, 0.3033,  
0.4483


 80.4384, 0.3033,  
0.4483


 77.5404, 0.3013,  
0.4827


 84.0169, 0.3056,  
0.4150


 75.2850, 0.2996,  
0.5164

 88.3216, 0.3079,  
0.3841

 73.6216, 0.2986,  
0.5467

 93.3874, 0.3103,  
0.3563

 72.4943, 0.2983,  
0.5714

 99.2485, 0.3125,  
0.3317

■ 71.8366, 0.2986,  
0.5885

100.0000, 0.3127,  
0.3290

■ 71.5610, 0.2991,  
0.5969

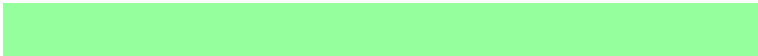
# Harmonies

## Analogous

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



80.4384, 0.3729, 0.4611



80.4384, 0.3033, 0.4483



80.4384, 0.2400, 0.3875

# Triad

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



80.4384, 0.3033, 0.4483



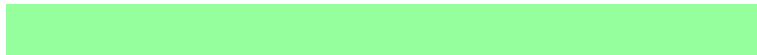
80.4384, 0.2019, 0.2231



80.4384, 0.4401, 0.3266

# Complementary

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



80.4384, 0.3033, 0.4483



49.8355, 0.3233, 0.2333

# 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.



80.4384, 0.3830, 0.2770



80.4384, 0.3033, 0.4483



80.4384, 0.2437, 0.2199

# Square

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



80.4384, 0.3033, 0.4483



80.4384, 0.1866, 0.2527



80.4384, 0.3086, 0.2393

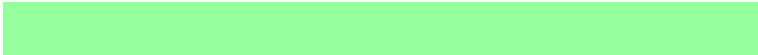


80.4384, 0.4566, 0.3807



# Rectangle

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



80.4384, 0.3033, 0.4483



80.4384, 0.2096, 0.3357



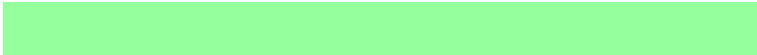
80.4384, 0.3086, 0.2393



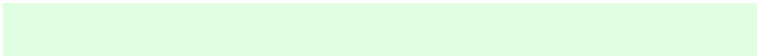
80.4384, 0.4248, 0.3092

# Sweetspot

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



80.4364, 0.3033, 0.4483



92.9475, 0.3101, 0.3584



93.6770, 0.3696, 0.4330



19.7452, 0.3098, 0.3619



0.0000, 0.0000, 0.0000

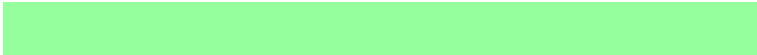


21.4041, 0.3127, 0.3290



# Same Dimension

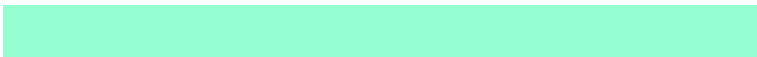
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4364, 0.3033, 0.4483



78.1180, 0.3017, 0.4752



82.6285, 0.2774, 0.3826



20.1880, 0.3106, 0.3519



37.3995, 0.2989, 0.5959



3.6481, 0.2962, 0.5864



# Inverse Universe

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



49.8355, 0.3233, 0.2333



43.9289, 0.3256, 0.2169



47.0243, 0.3720, 0.2819



18.2780, 0.3148, 0.3071



14.3385, 0.3386, 0.1639

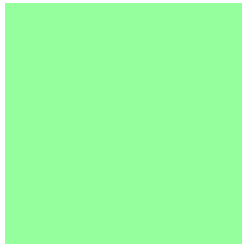


1.4022, 0.3364, 0.1627



# Previews

## White Background



This preview shows how the Yxy color 80.4384, 0.3033, 0.4483 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

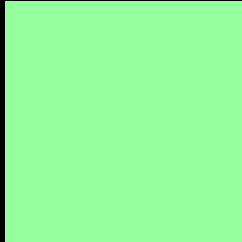
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.4384, 0.3033, 0.4483 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

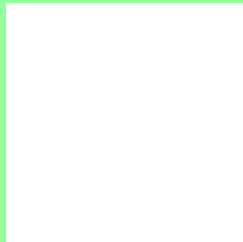
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.4384, 0.3033, 0.4483**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.4384, 0.3033, 0.4483.

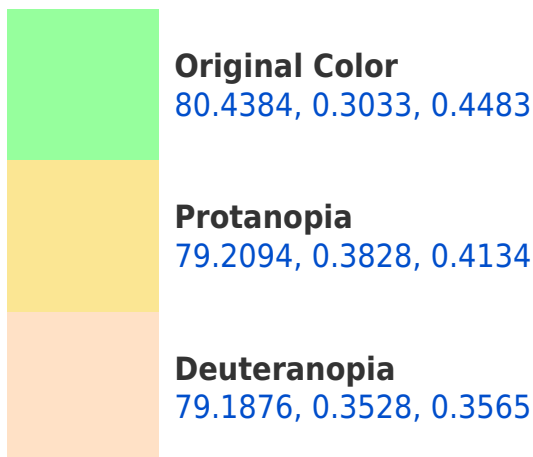


This preview shows how white text looks on a background with the Yxy color 80.4384, 0.3033, 0.4483.

# 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

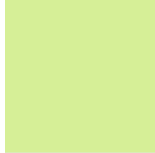
80.1050, 0.2721, 0.3127

# Trichromacy



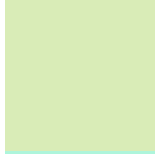
## Original Color

80.4384, 0.3033, 0.4483



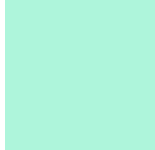
## Protanomaly

78.2635, 0.3499, 0.4266



## Deuteranomaly

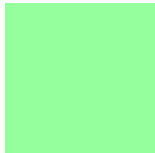
78.1615, 0.3330, 0.3876



## Tritanomaly

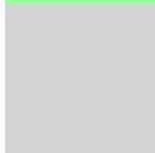
79.4180, 0.2841, 0.3588

# Monochromacy



## Original Color

80.4384, 0.3033, 0.4483



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

70.1114, 0.3087, 0.3716

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.4384, 0.3033, 0.4483 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(150, 255, 157)` looks like.

```
.text, #text, p{  
    color:rgb(150, 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(150, 255, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 80.4384, 0.3033, 0.4483 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(150, 255, 157) }
```

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

```
.border{ border-color:rgb(150, 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(150, 255, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 255, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 255, 157); box-shadow:4px 4px 4px 4px rgb(150, 255, 157) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.4384, 0.3033, 0.4483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 255, 157) }
```

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

```
.background{ background-color: rgb(150,  
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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