

# Converting Colors

Yxy(80.8852, 0.3227, 0.4760)

Have a look what the booklet for  
Yxy(80.8852, 0.3227, 0.4760)  
contains.

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**Color**

**Yxy(80.8401, 0.3225, 0.4761)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2FF83
RGB	162, 255, 131
RGB Percent	64%, 100%, 51%
CMY	0.3647, 0.0000, 0.4862
CMYK	0.36, 0.00, 0.49, 0.00
HSL	105°, 100%, 76%
HSV	105°, 49%, 100%
XYZ	54.7594, 80.8401, 34.1970
YIQ	213.0570, -15.6240, -58.2800

# Conversions

## Conversions Part 2

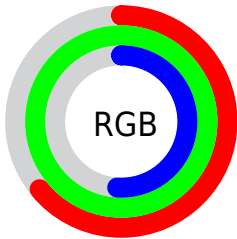
Format	Color
<a href="#">RYB</a>	<a href="#">131, 255, 224</a>
Decimal	<a href="#">10682243</a>
CIELab	<a href="#">92.06, -49.73, 50.36</a>
CIElCh	<a href="#">92, 70.778, 134.638</a>
Yxy	<a href="#">80.8401, 0.3225, 0.4761</a>
Android (android.graphics.Color)	<a href="#">4288872323 (0xFFA2FF83)</a>
YUV	<a href="#">213.0570, -40.4541, -44.7770</a>
Hunter-Lab	<a href="#">89.9111, -48.6310, 40.3873</a>

# Details

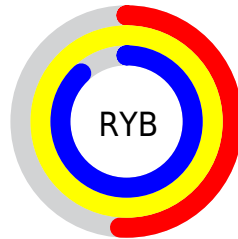
The Yxy color **80.8401, 0.3225, 0.4761** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **39.3080, 0.2912, 0.2011**, and the grayscale version is **66.8664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2808, 0.3304, 0.4023**, and **43.9415, 0.3201, 0.5134** is the 20% darker color. If you saturate the color by 10%, you get **78.3799, 0.3223, 0.5088**, and if you desaturate by 10%, it is **83.7782, 0.3216, 0.4425**.

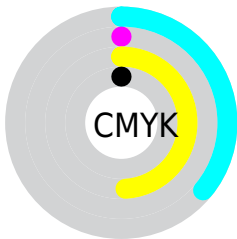
# Distribution



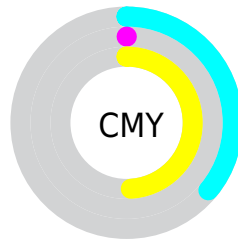
- Red (64%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (88%)



- Cyan (36%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)




- Cyan (36%)
- Magenta (0%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8401, 0.3225, 0.4761 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 80.8401, 0.3225, 0.4761 by changing the saturation by 10% instead.



 80.8401, 0.3225,  
0.4761


 80.8401, 0.3225,  
0.4761

497.7595, 0.3216,  
0.4051

 60.4099, 0.3217,  
0.4927


 134.5462, 0.3230,  
0.4511

 43.7491, 0.3201,  
0.5132


 168.5910, 0.3230,  
0.4415

 30.4733, 0.3171,  
0.5391


 207.9427, 0.3228,  
0.4332

 20.1981, 0.3116,  
0.5724

252.9857, 0.3226,  
0.4261

 12.5392, 0.3014,  
0.6163

304.1045, 0.3224,  
0.4198

 7.1120, 0.2846,  
0.6824

361.6835, 0.3221,


 3.5322, 0.2434,


0.4143


0.7566


426.1071, 0.3219,  
0.4095

 1.4155, 0.0374,  
0.9626


 0.2281, 0.0000,  
1.0000


 80.8401, 0.3225,  
0.4761


 80.8401, 0.3225,  
0.4761


 78.3799, 0.3223,  
0.5088


 83.7782, 0.3216,  
0.4425


 76.3664, 0.3208,  
0.5386

 87.2138, 0.3200,  
0.4098

 74.7721, 0.3180,  
0.5632

 91.1710, 0.3177,  
0.3791

 73.5637, 0.3142,  
0.5811

 95.6709, 0.3151,  
0.3509

■ 72.6991, 0.3097,  
0.5916

100.0000, 0.3127,  
0.3290

■ 72.6011, 0.3091,  
0.5928

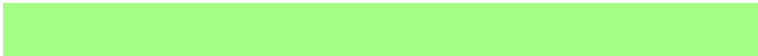
# Harmonies

## Analogous

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



80.8401, 0.3985, 0.4716



80.8401, 0.3225, 0.4761



80.8401, 0.2480, 0.4196

# Triad

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



80.8401, 0.3225, 0.4761



80.8401, 0.1820, 0.2166



80.8401, 0.4429, 0.3088

# Complementary

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



80.8401, 0.3225, 0.4761



39.3080, 0.2912, 0.2011

# Split Complementary

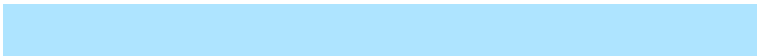
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.8401, 0.3688, 0.2574



80.8401, 0.3225, 0.4761



80.8401, 0.2195, 0.2062

# Square

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



80.8401, 0.3225, 0.4761



80.8401, 0.1734, 0.2572



80.8401, 0.2850, 0.2212



80.8401, 0.4751, 0.3673



# Rectangle

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



80.8401, 0.3225, 0.4761



80.8401, 0.2094, 0.3606



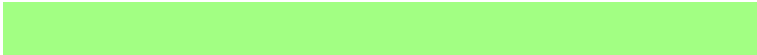
80.8401, 0.2850, 0.2212



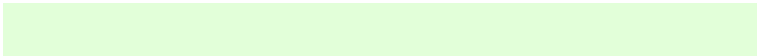
80.8401, 0.4215, 0.2905

# Sweetspot

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



80.8416, 0.3225, 0.4761



92.7357, 0.3168, 0.3686



76.2136, 0.3986, 0.4220



19.6523, 0.3173, 0.3746



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

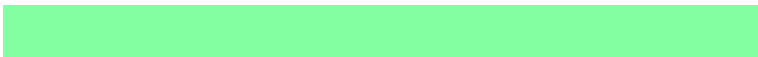
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8416, 0.3225, 0.4761



78.5189, 0.3223, 0.5069



78.9563, 0.2913, 0.4453



20.3874, 0.3153, 0.3533



37.9943, 0.3100, 0.5920



3.7482, 0.3177, 0.5860



# Inverse Universe

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



39.3080, 0.2912, 0.2011



32.6669, 0.2854, 0.1784



42.8807, 0.3467, 0.2367



18.0584, 0.3098, 0.3053



9.6524, 0.2582, 0.1196

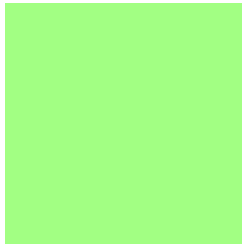


0.9912, 0.2657, 0.1237



# Previews

## White Background



This preview shows how the Yxy color 80.8401, 0.3225, 0.4761 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

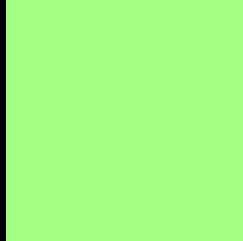
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.8401, 0.3225, 0.4761 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

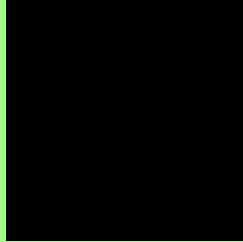
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

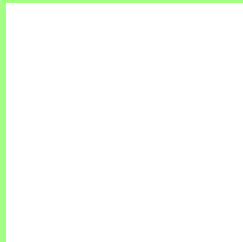
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.8401, 0.3225, 0.4761**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.8401, 0.3225, 0.4761.

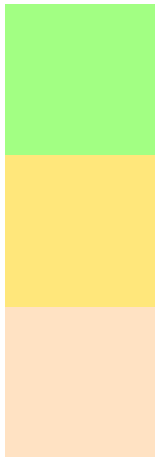


This preview shows how white text looks on a background with the Yxy color 80.8401, 0.3225, 0.4761.

# 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

80.8401, 0.3225, 0.4761

### Protanopia

79.8419, 0.3999, 0.4351

### Deuteranopia

79.5928, 0.3546, 0.3606



## Tritanopia

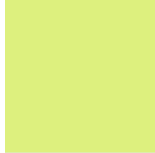
80.4223, 0.2759, 0.3118

# Trichromacy



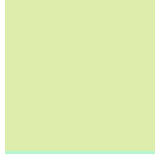
## Original Color

80.8401, 0.3225, 0.4761



## Protanomaly

79.1987, 0.3688, 0.4511



## Deuteranomaly

78.9191, 0.3426, 0.4003



## Tritanomaly

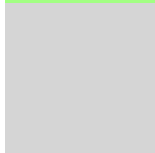
79.9030, 0.2936, 0.3690

# Monochromacy



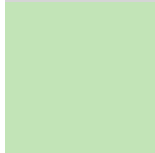
## Original Color

80.8401, 0.3225, 0.4761



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

70.3750, 0.3178, 0.3820

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.8401, 0.3225, 0.4761 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(162, 255, 131)` looks like.

```
.text, #text, p{  
    color:rgb(162, 255, 131)  
}
```

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(162, 255, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 255, 131) }
```

## Border

The CSS property to change the border of an element to Yxy 80.8401, 0.3225, 0.4761 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(162, 255, 131) }
```

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

```
.border{ border-color:rgb(162, 255, 131) }
```

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

Here you see how a box with a 4 pixel rgb(162, 255, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 255, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 255, 131);  
box-shadow:4px 4px 4px 4px rgb(162, 255,  
131) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.8401, 0.3225, 0.4761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 255, 131) }
```

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

```
.background{ background-color: rgb(162,  
255, 131) }
```

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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