

# Converting Colors

$Yxy(93.1267, 0.3228, 0.4946)$

Have a look what the booklet for  
Yxy(93.1267, 0.3228, 0.4946)  
contains.

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# Color

**Yxy(80.8129, 0.3254, 0.4813)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3FF7E
RGB	163, 255, 126
RGB Percent	64%, 100%, 49%
CMY	0.3606, 0.0000, 0.5059
CMYK	0.36, 0.00, 0.51, 0.00
HSL	103°, 100%, 75%
HSV	103°, 51%, 100%
XYZ	54.6364, 80.8129, 32.4561
YIQ	212.7860, -13.4230, -59.6230

# Conversions

## Conversions Part 2

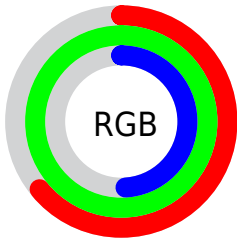
Format	Color
<a href="#">RYB</a>	<a href="#">126, 255, 218</a>
Decimal	<a href="#">10747774</a>
CIELab	<a href="#">92.05, -49.99, 52.69</a>
CIELCh	<a href="#">92, 72.630, 133.494</a>
Yxy	<a href="#">80.8129, 0.3254, 0.4813</a>
Android (android.graphics.Color)	<a href="#">4288937854 (0xFFA3FF7E)</a>
YUV	<a href="#">212.7860, -42.7855, -43.6623</a>
Hunter-Lab	<a href="#">89.8960, -48.8304, 41.5211</a>

# Details

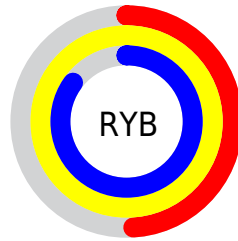
The Yxy color **80.8129, 0.3254, 0.4813** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **37.0400, 0.2859, 0.1946**, and the grayscale version is **66.6949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2283, 0.3339, 0.4076**, and **43.9334, 0.3231, 0.5192** is the 20% darker color. If you saturate the color by 10%, you get **78.4563, 0.3253, 0.5131**, and if you desaturate by 10%, it is **83.6200, 0.3243, 0.4482**.

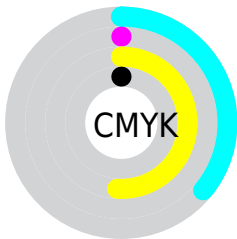
# Distribution



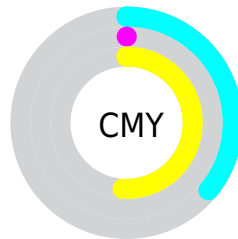
- Red (64%)
- Green (100%)
- Blue (49%)



- Red (49%)
- Yellow (100%)
- Blue (85%)



- Cyan (36%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)




- Cyan (36%)
- Magenta (0%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8129, 0.3254, 0.4813 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 80.8129, 0.3254, 0.4813 by changing the saturation by 10% instead.





 80.8129, 0.3254,  
0.4813


 80.8129, 0.3254,  
0.4813


497.6682, 0.3235,  
0.4079


 60.3875, 0.3247,  
0.4984


 134.5080, 0.3256,  
0.4555

 43.7311, 0.3232,  
0.5194


 168.5466, 0.3255,  
0.4455

 30.4591, 0.3202,  
0.5459


 207.8916, 0.3252,  
0.4370

 20.1873, 0.3146,  
0.5798

252.9275, 0.3249,  
0.4296

 12.5313, 0.3039,  
0.6240

304.0388, 0.3245,  
0.4231

 7.1066, 0.2881,  
0.6943


361.6097, 0.3242,


 3.5289, 0.2420,


0.4175


0.7580


426.0247, 0.3238,  
0.4124


 1.4137, 0.0325,  
0.9675


 0.2268, 0.0000,  
1.0000


 80.8129, 0.3254,  
0.4813


 80.8129, 0.3254,  
0.4813


 78.4563, 0.3253,  
0.5131

 83.6200, 0.3243,  
0.4482


 76.5151, 0.3238,  
0.5416

 86.8898, 0.3222,  
0.4156

 74.9652, 0.3208,  
0.5648

 90.6469, 0.3194,  
0.3847

 73.7753, 0.3165,  
0.5812

 94.9108, 0.3163,  
0.3562

 72.9442, 0.3119,  
0.5906

99.7001, 0.3129,  
0.3304

99.9989, 0.3127,  
0.3290

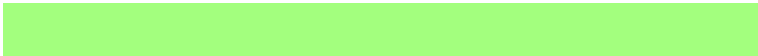
# Harmonies

## Analogous

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



80.8129, 0.4029, 0.4737



80.8129, 0.3254, 0.4813



80.8129, 0.2488, 0.4255

# Triad

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



80.8129, 0.3254, 0.4813



80.8129, 0.1783, 0.2149



80.8129, 0.4440, 0.3058

# Complementary

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



80.8129, 0.3254, 0.4813



37.0400, 0.2859, 0.1946

# Split Complementary

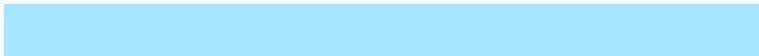
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.8129, 0.3668, 0.2541



80.8129, 0.3254, 0.4813



80.8129, 0.2153, 0.2035

# Square

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



80.8129, 0.3254, 0.4813



80.8129, 0.1707, 0.2574



80.8129, 0.2812, 0.2179



80.8129, 0.4789, 0.3653



# Rectangle

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



80.8129, 0.3254, 0.4813



80.8129, 0.2088, 0.3649



80.8129, 0.2812, 0.2179



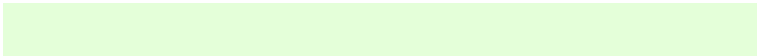
80.8129, 0.4215, 0.2874

# Sweetspot

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



80.8164, 0.3254, 0.4813



92.9672, 0.3177, 0.3684



72.0310, 0.4057, 0.4197



19.7075, 0.3184, 0.3745



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.



80.8164, 0.3254, 0.4813



78.3694, 0.3253, 0.5144



78.2150, 0.2937, 0.4592



20.4207, 0.3159, 0.3533



38.1807, 0.3129, 0.5898



3.7702, 0.3210, 0.5833



# Inverse Universe

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



37.0400, 0.2859, 0.1946



29.9796, 0.2781, 0.1694



41.8495, 0.3421, 0.2277



18.0230, 0.3092, 0.3052



9.0346, 0.2492, 0.1146

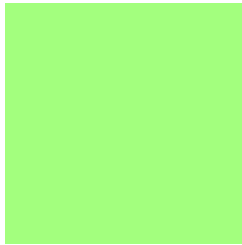


0.9353, 0.2576, 0.1193



# Previews

## White Background



This preview shows how the Yxy color 80.8129, 0.3254, 0.4813 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

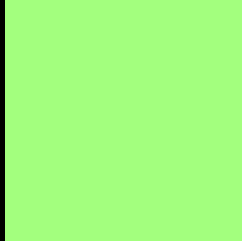
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.8129, 0.3254, 0.4813 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

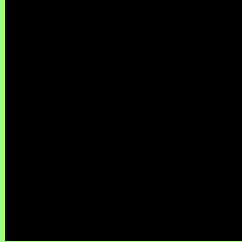
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

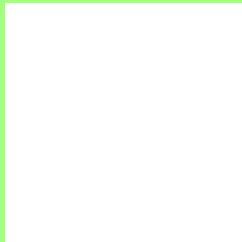
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.8129, 0.3254, 0.4813**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.8129, 0.3254, 0.4813.



This preview shows how white text looks on a background with the Yxy color 80.8129, 0.3254, 0.4813.

# 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

80.8129, 0.3254, 0.4813

### Protanopia

79.7198, 0.4027, 0.4393

### Deuteranopia

79.5928, 0.3546, 0.3606



## Tritanopia

80.4223, 0.2759, 0.3118

# Trichromacy



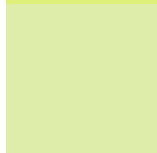
## Original Color

80.8129, 0.3254, 0.4813



## Protanomaly

79.2302, 0.3722, 0.4555



## Deuteranomaly

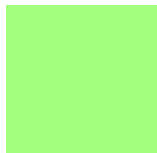
79.0002, 0.3446, 0.4023



## Tritanomaly

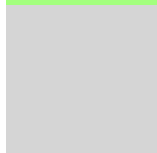
79.9262, 0.2953, 0.3713

# Monochromacy



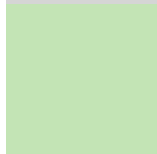
## Original Color

80.8129, 0.3254, 0.4813



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

70.4251, 0.3197, 0.3843

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.8129, 0.3254, 0.4813 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(163, 255, 126)` looks like.

```
.text, #text, p{  
    color:rgb(163, 255, 126)  
}
```

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(163, 255, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 255, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 80.8129, 0.3254, 0.4813 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(163, 255, 126) }
```

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

```
.border{ border-color:rgb(163, 255, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 255, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 255, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 255, 126);  
box-shadow:4px 4px 4px 4px rgb(163, 255,  
126) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.8129, 0.3254, 0.4813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 255, 126) }
```

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

```
.background{ background-color: rgb(163,  
255, 126) }
```

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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