

# Converting Colors

Yxy(96.4941, 0.3306, 0.5130)

Have a look what the booklet for  
Yxy(96.4941, 0.3306, 0.5130)  
contains.

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**Color**

**Yxy(80.8182, 0.3355, 0.4984)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7FF6C
RGB	167, 255, 108
RGB Percent	65%, 100%, 42%
CMY	0.3452, 0.0000, 0.5763
CMYK	0.35, 0.00, 0.58, 0.00
HSL	96°, 100%, 71%
HSV	96°, 58%, 100%
XYZ	54.4031, 80.8182, 26.9340
YIQ	211.9300, -5.2610, -64.3730

# Conversions

## Conversions Part 2

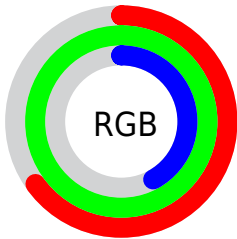
<b>Format</b>	<b>Color</b>
<b>RYB</b>	108, 255, 196
Decimal	11009900
CIELab	92.05, -50.59, 60.75
CIELCh	92, 79.055, 129.789
Yxy	80.8182, 0.3355, 0.4984
Android (android.graphics.Color)	4289199980 (0xFFA7FF6C)
YUV	211.9300, -51.2375, -39.4036
Hunter-Lab	89.8989, -49.3024, 45.1658

# Details

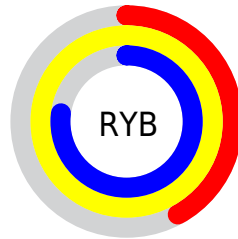
The Yxy color **80.8182, 0.3355, 0.4984** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **29.7022, 0.2658, 0.1709**, and the grayscale version is **66.1398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3331, 0.3474, 0.4256**, and **43.8873, 0.3336, 0.5398** is the 20% darker color. If you saturate the color by 10%, you get **78.7854, 0.3355, 0.5265**, and if you desaturate by 10%, it is **83.2056, 0.3338, 0.4677**.

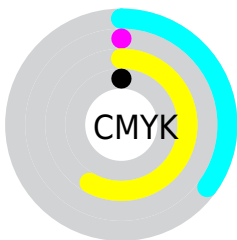
# Distribution



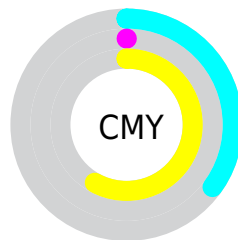
- Red (65%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (77%)



- Cyan (35%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)




- Cyan (35%)
- Magenta (0%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8182, 0.3355, 0.4984 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 80.8182, 0.3355, 0.4984 by changing the saturation by 10% instead.




 80.8182, 0.3355,  
0.4984

 80.8182, 0.3355,  
0.4984


497.6860, 0.3302,  
0.4173


 60.3919, 0.3351,  
0.5169


 134.5155, 0.3349,  
0.4701


 43.7346, 0.3338,  
0.5394


 168.5552, 0.3343,  
0.4592

 30.4619, 0.3307,  
0.5673


 207.9015, 0.3336,  
0.4497

 20.1894, 0.3243,  
0.6021

 252.9389, 0.3329,  
0.4415

 12.5328, 0.3117,  
0.6459

304.0516, 0.3322,  
0.4343

 7.1077, 0.2909,  
0.7091


361.6241, 0.3315,


 3.5295, 0.2392,


0.4280


0.7608

426.0407, 0.3309,  
0.4224


 1.4140, 0.0228,  
0.9772


 0.2270, 0.0000,  
1.0000

 80.8182, 0.3355,  
0.4984


 80.8182, 0.3355,  
0.4984


 78.7854, 0.3355,  
0.5265


 83.2056, 0.3338,  
0.4677


 77.0870, 0.3335,  
0.5502

 85.9676, 0.3307,  
0.4361

 75.6988, 0.3296,  
0.5681

 89.1213, 0.3265,  
0.4050

 74.5908, 0.3242,  
0.5796

 92.6831, 0.3218,  
0.3755

 74.3602, 0.3229,  
0.5818

 96.6681, 0.3167,  
0.3482

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



80.8182, 0.4175, 0.4796



80.8182, 0.3355, 0.4984



80.8182, 0.2520, 0.4461

# Triad

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



80.8182, 0.3355, 0.4984



80.8182, 0.1662, 0.2097



80.8182, 0.4470, 0.2957

# Complementary

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



80.8182, 0.3355, 0.4984



29.7022, 0.2658, 0.1709

# 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.



80.8182, 0.3592, 0.2426



80.8182, 0.3355, 0.4984



80.8182, 0.2014, 0.1945

# Square

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



80.8182, 0.3355, 0.4984



80.8182, 0.1618, 0.2588



80.8182, 0.2679, 0.2069



80.8182, 0.4914, 0.3579



# Rectangle

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



80.8182, 0.3355, 0.4984



80.8182, 0.2070, 0.3806



80.8182, 0.2679, 0.2069



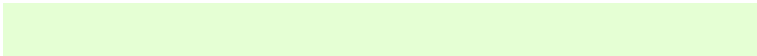
80.8182, 0.4208, 0.2766

# Sweetspot

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



80.8179, 0.3355, 0.4984



92.9196, 0.3215, 0.3737



60.8267, 0.4310, 0.4148



19.7271, 0.3225, 0.3795



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.



80.8179, 0.3355, 0.4984



78.5325, 0.3353, 0.5301



76.0751, 0.2992, 0.5018



20.5236, 0.3177, 0.3531



38.9360, 0.3241, 0.5809



3.8526, 0.3328, 0.5739



# Inverse Universe

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



29.7022, 0.2658, 0.1709



23.0637, 0.2534, 0.1435



38.4532, 0.3304, 0.2025



17.9158, 0.3073, 0.3051



7.3872, 0.2227, 0.1001

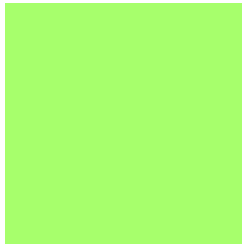


0.7829, 0.2336, 0.1061



# Previews

## White Background



This preview shows how the Yxy color 80.8182, 0.3355, 0.4984 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

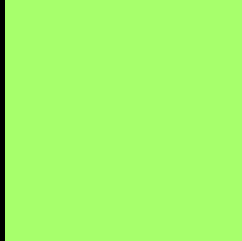
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.8182, 0.3355, 0.4984 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

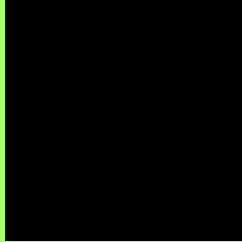
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

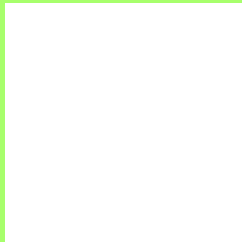
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.8182, 0.3355, 0.4984**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.8182, 0.3355, 0.4984.



This preview shows how white text looks on a background with the Yxy color 80.8182, 0.3355, 0.4984.

# 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

80.8182, 0.3355, 0.4984

### Protanopia

79.6728, 0.4038, 0.4409

### Deuteranopia

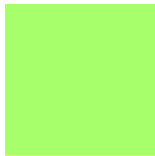
79.5030, 0.3560, 0.3626



## Tritanopia

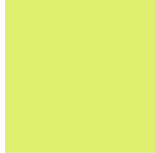
80.1048, 0.2769, 0.3107

# Trichromacy



## Original Color

80.8182, 0.3355, 0.4984



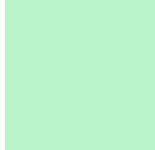
## Protanomaly

79.2004, 0.3770, 0.4624



## Deuteranomaly

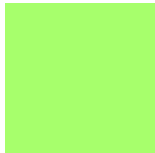
78.8650, 0.3503, 0.4108



## Tritanomaly

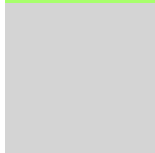
79.2799, 0.2999, 0.3772

# Monochromacy



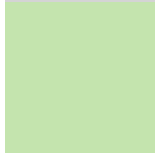
## Original Color

80.8182, 0.3355, 0.4984



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

70.2786, 0.3249, 0.3927

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.8182, 0.3355, 0.4984 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(167, 255, 108)` looks like.

```
.text, #text, p{  
    color:rgb(167, 255, 108)  
}
```

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(167, 255, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 108) }
```

## Border

The CSS property to change the border of an element to Yxy 80.8182, 0.3355, 0.4984 is called "border". The border property can be set on classes, ids or directly on the HTML element.

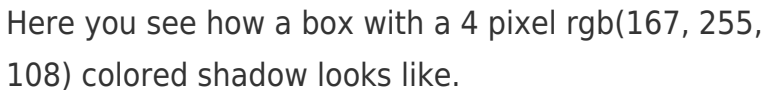
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 255, 108) }
```

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

```
.border{ border-color:rgb(167, 255, 108) }
```

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



Here you see how a box with a 4 pixel rgb(167, 255, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 255, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 255, 108);  
box-shadow:4px 4px 4px 4px rgb(167, 255,  
108) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.8182, 0.3355, 0.4984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 255, 108) }
```

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

```
.background{ background-color: rgb(167,  
255, 108) }
```

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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