

# Converting Colors

$Yxy(79.1072, 0.3088, 0.4520)$

Have a look what the booklet for  
Yxy(79.1072, 0.3088, 0.4520)  
contains.

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# Color

**Yxy(78.8237, 0.3092, 0.4520)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BFC97
RGB	155, 252, 151
RGB Percent	61%, 99%, 59%
CMY	0.3919, 0.0118, 0.4079
CMYK	0.38, 0.00, 0.40, 0.01
HSL	118°, 94%, 79%
HSV	118°, 40%, 99%
XYZ	53.9210, 78.8237, 41.6440
YIQ	211.4830, -25.3910, -51.9750

# Conversions

## Conversions Part 2

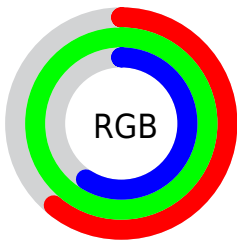
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 252, 248
Decimal	10222743
CIELab	91.15, -47.96, 39.57
CIELCh	91, 62.178, 140.472
Yxy	78.8237, 0.3092, 0.4520
Android (android.graphics.Color)	4288412823 (0xFF9BFC97)
YUV	211.4830, -29.8181, -49.5356
Hunter-Lab	88.7827, -46.9602, 34.3376

# Details

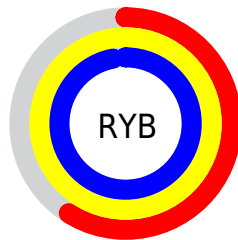
The Yxy color **78.8237, 0.3092, 0.4520** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **49.1000, 0.3139, 0.2290**, and the grayscale version is **65.7006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1224, 0.3146, 0.3813**, and **42.5277, 0.3048, 0.4836** is the 20% darker color. If you saturate the color by 10%, you get **75.9349, 0.3078, 0.4879**, and if you desaturate by 10%, it is **82.3733, 0.3104, 0.4170**.

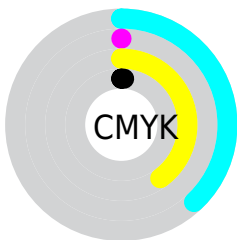
# Distribution



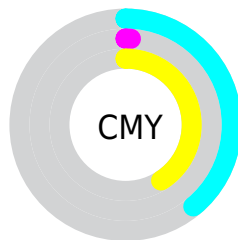
- Red (61%)
- Green (99%)
- Blue (59%)



- Red (59%)
- Yellow (99%)
- Blue (97%)



- Cyan (38%)
- Magenta (0%)
- Yellow (40%)
- Black (1%)




- Cyan (39%)
- Magenta (1%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.8237, 0.3092, 0.4520 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 78.8237, 0.3092, 0.4520 by changing the saturation by 10% instead.





 78.8237, 0.3092,  
0.4520

 78.8237, 0.3092,  
0.4520


490.9597, 0.3132,  
0.3922

 58.7509, 0.3076,  
0.4662


 131.7106, 0.3111,  
0.4308

 42.4126, 0.3054,  
0.4840


 165.2935, 0.3117,  
0.4227

 29.4245, 0.3019,  
0.5068


204.1486, 0.3121,  
0.4157

 19.4022, 0.2964,  
0.5369

248.6601, 0.3124,  
0.4097

 11.9612, 0.2870,  
0.5781

299.2127, 0.3127,  
0.4045

 6.7173, 0.2698,  
0.6365


356.1905, 0.3129,


 3.2859, 0.2463,


0.3999

0.7537


419.9780, 0.3131,  
0.3959


 1.2828, 0.0023,  
0.9977

 0.1278, 0.0000,  
1.0000


 78.8237, 0.3092,  
0.4520


 78.8237, 0.3092,  
0.4520


 75.9349, 0.3078,  
0.4879


 82.3733, 0.3104,  
0.4170

 73.6569, 0.3062,  
0.5225

 86.6105, 0.3114,  
0.3845

 71.9487, 0.3045,  
0.5531

 91.5723, 0.3121,  
0.3551

 70.7599, 0.3029,  
0.5769

 97.2905, 0.3127,  
0.3292

■ 70.0313, 0.3015,  
0.5923

■ 98.0988, 0.3128,  
0.3261

■ 69.6843, 0.3006,  
0.5995

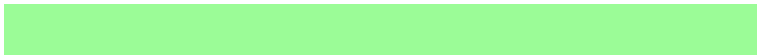
# Harmonies

## Analogous

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



78.8237, 0.3787, 0.4604



78.8237, 0.3092, 0.4520



78.8237, 0.2444, 0.3942

# Triad

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



78.8237, 0.3092, 0.4520



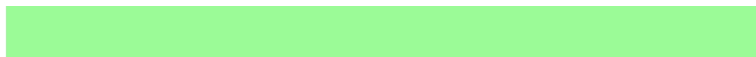
78.8237, 0.1991, 0.2242



78.8237, 0.4371, 0.3220

# Complementary

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



78.8237, 0.3092, 0.4520



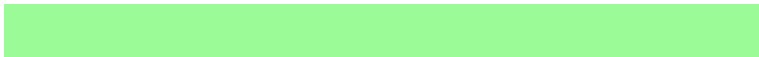
49.1000, 0.3139, 0.2290

# 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.



78.8237, 0.3772, 0.2730



78.8237, 0.3092, 0.4520



78.8237, 0.2388, 0.2189

# Square

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



78.8237, 0.3092, 0.4520



78.8237, 0.1862, 0.2563



78.8237, 0.3024, 0.2365

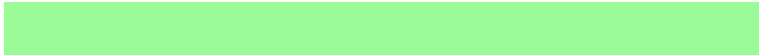


78.8237, 0.4576, 0.3762



# Rectangle

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



78.8237, 0.3092, 0.4520



78.8237, 0.2125, 0.3422



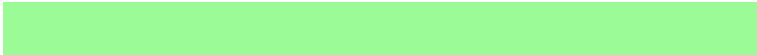
78.8237, 0.3024, 0.2365



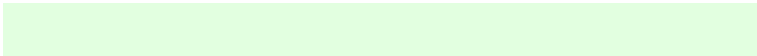
78.8237, 0.4206, 0.3048

# Sweetspot

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



78.8270, 0.3092, 0.4520



93.0331, 0.3120, 0.3605



89.4175, 0.3747, 0.4243



19.7651, 0.3119, 0.3642



0.0000, 0.0000, 0.0000

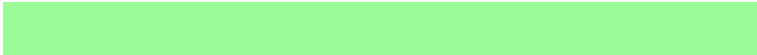


21.4041, 0.3127, 0.3290



# Same Dimension

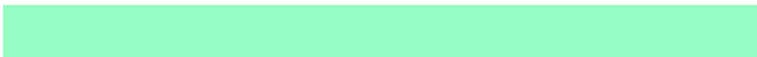
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8270, 0.3092, 0.4520



78.5659, 0.3081, 0.4805



80.2025, 0.2841, 0.3956



19.3426, 0.3122, 0.3535



36.3153, 0.3008, 0.5993



3.3748, 0.3029, 0.5977



# Inverse Universe

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



49.1000, 0.3139, 0.2290



44.2221, 0.3139, 0.2109



47.3066, 0.3581, 0.2714



17.4868, 0.3132, 0.3056



13.4963, 0.3109, 0.1486

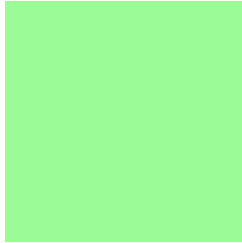


1.2608, 0.3121, 0.1493



# Previews

## White Background



This preview shows how the Yxy color 78.8237, 0.3092, 0.4520 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

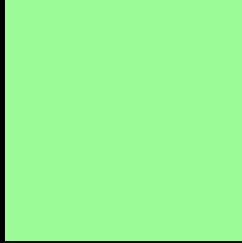
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.8237, 0.3092, 0.4520 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

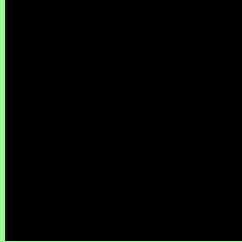
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.8237, 0.3092, 0.4520**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.8237, 0.3092, 0.4520.

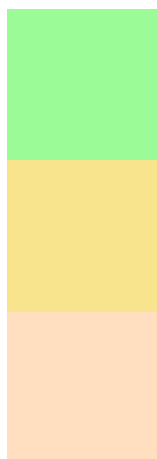


This preview shows how white text looks on a background with the Yxy color 78.8237, 0.3092, 0.4520.

# 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

78.8237, 0.3092, 0.4520

### Protanopia

77.5795, 0.3853, 0.4170

### Deuteranopia

77.8411, 0.3575, 0.3607



## Tritanopia

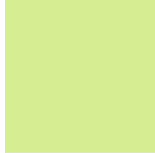
78.4364, 0.2697, 0.3103

# Trichromacy



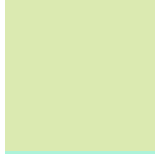
## Original Color

78.8237, 0.3092, 0.4520



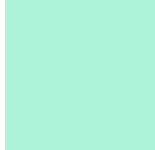
## Protanomaly

77.0598, 0.3547, 0.4310



## Deuteranomaly

77.0800, 0.3386, 0.3920



## Tritanomaly

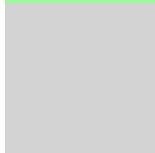
77.9952, 0.2845, 0.3590

# Monochromacy



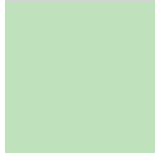
## Original Color

78.8237, 0.3092, 0.4520



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

69.1432, 0.3120, 0.3728

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  78.8237, 0.3092, 0.4520 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(155, 252, 151)` looks like.

```
.text, #text, p{  
    color:rgb(155, 252, 151)  
}
```

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(155, 252, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 252, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 78.8237, 0.3092, 0.4520 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(155, 252, 151) }
```

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

```
.border{ border-color:rgb(155, 252, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 252, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 252, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 252, 151); box-shadow:4px 4px 4px 4px rgb(155, 252, 151) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.8237, 0.3092, 0.4520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 252, 151) }
```

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

```
.background{ background-color: rgb(155,  
252, 151) }
```

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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