

# Converting Colors

$Yxy(79.8419, 0.3052, 0.4502)$

Have a look what the booklet for  
Yxy(79.8419, 0.3052, 0.4502)  
contains.

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# Color

**Yxy(79.8295, 0.3049, 0.4497)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97FE9B
RGB	151, 254, 155
RGB Percent	59%, 100%, 61%
CMY	0.4077, 0.0039, 0.3922
CMYK	0.41, 0.00, 0.39, 0.00
HSL	122°, 98%, 79%
HSV	122°, 41%, 100%
XYZ	54.1250, 79.8295, 43.5627
YIQ	211.9170, -29.6090, -52.6250

# Conversions

## Conversions Part 2

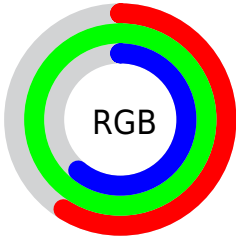
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">151, 250, 254</a>
Decimal	<a href="#">9961115</a>
CIELab	<a href="#">91.61, -49.39, 38.16</a>
CIElCh	<a href="#">92, 62.417, 142.312</a>
Yxy	<a href="#">79.8295, 0.3049, 0.4497</a>
Android (android.graphics.Color)	<a href="#">4288151195 (0xFF97FE9B)</a>
YUV	<a href="#">211.9170, -28.0601, -53.4242</a>
Hunter-Lab	<a href="#">89.3474, -48.2258, 33.6354</a>

# Details

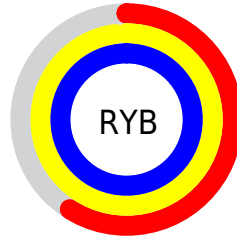
The Yxy color **79.8295, 0.3049, 0.4497** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **50.1205, 0.3207, 0.2322**, and the grayscale version is **65.9916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7285, 0.3098, 0.3773**, and **43.2715, 0.3006, 0.4821** is the 20% darker color. If you saturate the color by 10%, you get **76.9188, 0.3030, 0.4849**, and if you desaturate by 10%, it is **83.4364, 0.3069, 0.4155**.

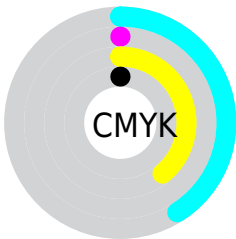
# Distribution



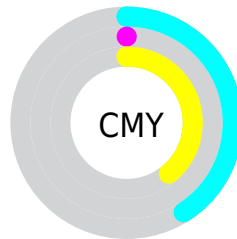
- Red (59%)
- Green (100%)
- Blue (61%)



- Red (59%)
- Yellow (98%)
- Blue (100%)



- Cyan (41%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)




- Cyan (41%)
- Magenta (0%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.8295, 0.3049, 0.4497 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 79.8295, 0.3049, 0.4497 by changing the saturation by 10% instead.





 79.8295, 0.3049,  
0.4497


 79.8295, 0.3049,  
0.4497


494.3581, 0.3107,  
0.3911

 59.5781, 0.3030,  
0.4636


 133.1260, 0.3074,  
0.4289

 43.0786, 0.3003,  
0.4811


 166.9398, 0.3082,  
0.4209

 29.9468, 0.2963,  
0.5035


206.0433, 0.3089,  
0.4141

 19.7982, 0.2903,  
0.5331

250.8207, 0.3094,  
0.4083

 12.2485, 0.2803,  
0.5738

301.6565, 0.3098,  
0.4031

 6.9131, 0.2629,  
0.6317


358.9350, 0.3102,


 3.4078, 0.2421,


0.3986

0.7579


423.0408, 0.3105,  
0.3947


 1.3482, 0.0115,  
0.9885


 0.1780, 0.0000,  
1.0000


 79.8295, 0.3049,  
0.4497


 79.8295, 0.3049,  
0.4497


 76.9188, 0.3030,  
0.4849


 83.4364, 0.3069,  
0.4155

 74.6502, 0.3014,  
0.5192

 87.7695, 0.3089,  
0.3839

 72.9780, 0.3002,  
0.5498

 92.8692, 0.3108,  
0.3554

 71.8460, 0.2995,  
0.5742

 98.7702, 0.3126,  
0.3303

■ 71.1874, 0.2994,  
0.5905

99.3637, 0.3128,  
0.3281

■ 70.9051, 0.2995,  
0.5984

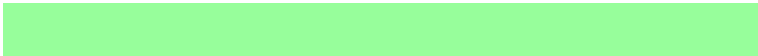
# Harmonies

## Analogous

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



79.8295, 0.3746, 0.4613



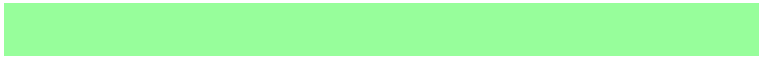
79.8295, 0.3049, 0.4497



79.8295, 0.2410, 0.3896

# Triad

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



79.8295, 0.3049, 0.4497



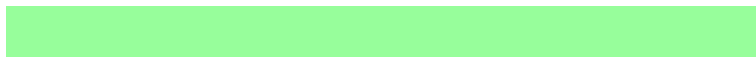
79.8295, 0.2008, 0.2231



79.8295, 0.4396, 0.3253

# Complementary

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



79.8295, 0.3049, 0.4497



50.1205, 0.3207, 0.2322

# 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.



79.8295, 0.3816, 0.2758



79.8295, 0.3049, 0.4497



79.8295, 0.2421, 0.2194

# Square

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



79.8295, 0.3049, 0.4497



79.8295, 0.1862, 0.2535



79.8295, 0.3069, 0.2383

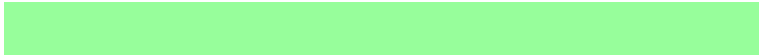


79.8295, 0.4573, 0.3795



# Rectangle

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



79.8295, 0.3049, 0.4497



79.8295, 0.2102, 0.3375



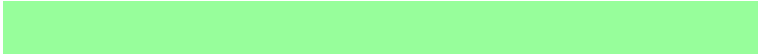
79.8295, 0.3069, 0.2383



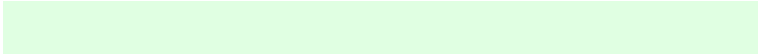
79.8295, 0.4239, 0.3079

# Sweetspot

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



79.8329, 0.3049, 0.4497



92.8990, 0.3106, 0.3593



93.5483, 0.3712, 0.4305



19.7339, 0.3103, 0.3629



0.0000, 0.0000, 0.0000

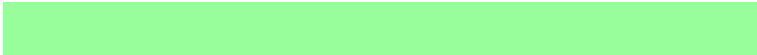


21.4041, 0.3127, 0.3290



# Same Dimension

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



79.8329, 0.3049, 0.4497



78.0149, 0.3033, 0.4796



81.9203, 0.2795, 0.3859



20.1795, 0.3110, 0.3526



37.3869, 0.2994, 0.5977



3.6440, 0.2978, 0.5921



# Inverse Universe

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



50.1205, 0.3207, 0.2322



44.1530, 0.3224, 0.2140



47.3433, 0.3672, 0.2792



18.2876, 0.3144, 0.3065



14.5652, 0.3308, 0.1596

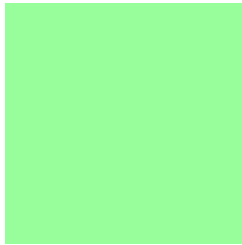


1.4218, 0.3296, 0.1589



# Previews

## White Background



This preview shows how the Yxy color 79.8295, 0.3049, 0.4497 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

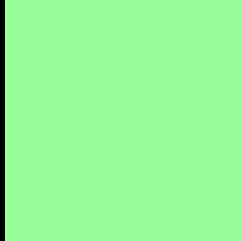
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.8295, 0.3049, 0.4497 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

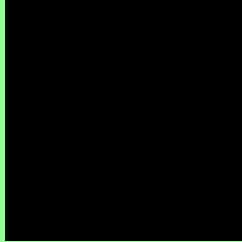
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.8295, 0.3049, 0.4497**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.8295, 0.3049, 0.4497.

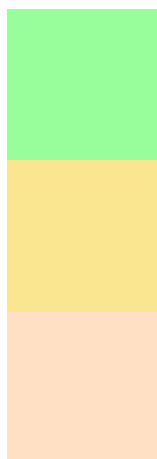


This preview shows how white text looks on a background with the Yxy color 79.8295, 0.3049, 0.4497.

# 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

79.8295, 0.3049, 0.4497

### Protanopia

78.9620, 0.3834, 0.4156

### Deuteranopia

78.5568, 0.3544, 0.3576



## Tritanopia

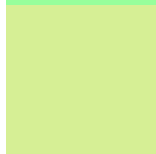
79.2673, 0.2709, 0.3115

# Trichromacy



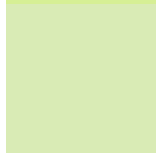
## Original Color

79.8295, 0.3049, 0.4497



## Protanomaly

78.1991, 0.3511, 0.4288



## Deuteranomaly

77.5046, 0.3344, 0.3888



## Tritanomaly

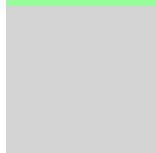
78.7001, 0.2835, 0.3577

# Monochromacy



## Original Color

79.8295, 0.3049, 0.4497



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

69.6469, 0.3100, 0.3716

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.8295, 0.3049, 0.4497 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(151, 254, 155)` looks like.

```
.text, #text, p{  
    color:rgb(151, 254, 155)  
}
```

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(151, 254, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 254, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 79.8295, 0.3049, 0.4497 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(151, 254, 155) }
```

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

```
.border{ border-color:rgb(151, 254, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 254, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 254, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 254, 155);  
box-shadow:4px 4px 4px 4px rgb(151, 254,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.8295, 0.3049, 0.4497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 254, 155) }
```

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

```
.background{ background-color: rgb(151,  
254, 155) }
```

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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