

# Converting Colors

$Y_{xy}(101.2250, 0.2920, 0.4672)$

Have a look what the booklet for  
Yxy(101.2250, 0.2920, 0.4672)  
contains.

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# Color

**Yxy(79.2597, 0.2903, 0.4399)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85FFA6
RGB	133, 255, 166
RGB Percent	52%, 100%, 65%
CMY	0.4787, 0.0000, 0.3491
CMYK	0.48, 0.00, 0.35, 0.00
HSL	136°, 100%, 76%
HSV	136°, 48%, 100%
XYZ	52.3053, 79.2597, 48.6117
YIQ	208.3760, -44.1430, -53.5430

# Conversions

## Conversions Part 2

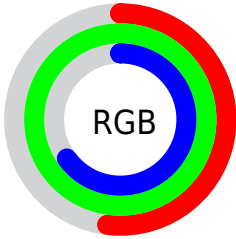
<b>Format</b>	<b>Color</b>
<b>RYB</b>	133, 229, 255
Decimal	8781734
CIELab	91.35, -52.99, 32.23
CIELCh	91, 62.018, 148.688
Yxy	79.2597, 0.2903, 0.4399
Android (android.graphics.Color)	4286971814 (0xFF85FFA6)
YUV	208.3760, -20.8914, -66.1048
Hunter-Lab	89.0279, -50.9273, 29.9456

# Details

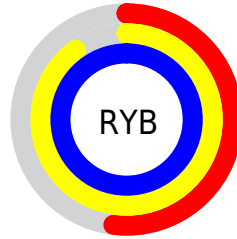
The Yxy color **79.2597, 0.2903, 0.4399** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **43.2836, 0.3485, 0.2402**, and the grayscale version is **63.4753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0004, 0.2932, 0.3651**, and **42.5025, 0.2828, 0.4691** is the 20% darker color. If you saturate the color by 10%, you get **76.7910, 0.2875, 0.4681**, and if you desaturate by 10%, it is **82.3170, 0.2941, 0.4127**.

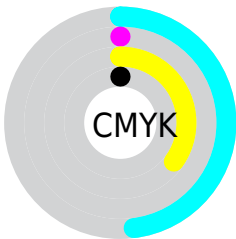
# Distribution



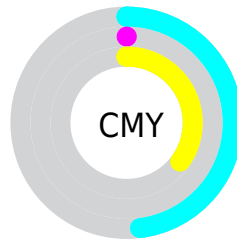
- Red (52%)
- Green (100%)
- Blue (65%)



- Red (52%)
- Yellow (90%)
- Blue (100%)



- Cyan (48%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)




- Cyan (48%)
- Magenta (0%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.2597, 0.2903, 0.4399 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 79.2597, 0.2903, 0.4399 by changing the saturation by 10% instead.




 79.2597, 0.2903,  
0.4399

 79.2597, 0.2903,  
0.4399

492.4345, 0.3024,  
0.3859


 59.1094, 0.2871,  
0.4528


 132.3244, 0.2949,  
0.4207

 42.7012, 0.2829,  
0.4691


 166.0076, 0.2965,  
0.4133

 29.6507, 0.2772,  
0.4901

 204.9704, 0.2979,  
0.4071

 19.5736, 0.2691,  
0.5182

249.5974, 0.2991,  
0.4017

 12.0855, 0.2569,  
0.5573

300.2729, 0.3001,  
0.3969

 6.8019, 0.2371,  
0.6146


357.3813, 0.3010,


 3.3385, 0.2075,

0.3928


0.7231


421.3070, 0.3017,  
0.3891


 1.3109, 0.0000,  
1.0000

 0.1496, 0.0000,  
1.0000


 79.2597, 0.2903,  
0.4399


 79.2597, 0.2903,  
0.4399


 76.7910, 0.2875,  
0.4681


 82.3170, 0.2941,  
0.4127


 74.8900, 0.2861,  
0.4961

 86.0207, 0.2986,  
0.3874

 73.5033, 0.2862,  
0.5227

 90.3982, 0.3036,  
0.3643

 72.5761, 0.2878,  
0.5463

 95.4813, 0.3087,  
0.3436

■ 72.0364, 0.2908,  
0.5658

100.0000, 0.3127,  
0.3290

■ 71.9506, 0.2915,  
0.5693

# Harmonies

## Analogous

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



79.2597, 0.3601, 0.4626



79.2597, 0.2903, 0.4399



79.2597, 0.2302, 0.3730

# Triad

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



79.2597, 0.2903, 0.4399



79.2597, 0.2078, 0.2206



79.2597, 0.4467, 0.3367

# Complementary

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



79.2597, 0.2903, 0.4399



43.2836, 0.3485, 0.2402

# 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.



79.2597, 0.3960, 0.2857



79.2597, 0.2903, 0.4399



79.2597, 0.2544, 0.2220

# Square

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



79.2597, 0.2903, 0.4399



79.2597, 0.1875, 0.2449



79.2597, 0.3226, 0.2452

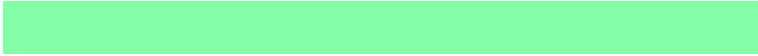


79.2597, 0.4545, 0.3908



# Rectangle

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



79.2597, 0.2903, 0.4399



79.2597, 0.2033, 0.3214



79.2597, 0.3226, 0.2452



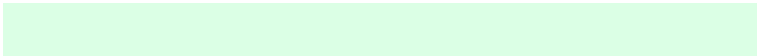
79.2597, 0.4340, 0.3190

# Sweetspot

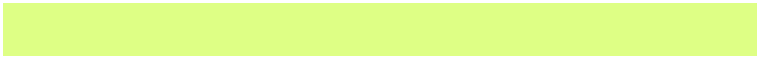
The Sweet Spot groups the original color and five complimentary colors.



79.2529, 0.2903, 0.4399



92.2821, 0.3055, 0.3560



88.8113, 0.3609, 0.4562



19.5248, 0.3044, 0.3606



0.0000, 0.0000, 0.0000

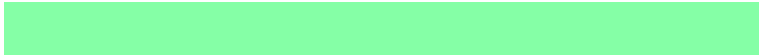


21.4041, 0.3127, 0.3290



# Same Dimension

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



79.2529, 0.2903, 0.4399



76.9832, 0.2877, 0.4656



82.0194, 0.2617, 0.3625



20.2490, 0.3078, 0.3468



37.6169, 0.2907, 0.5666



3.6800, 0.2847, 0.5449



# Inverse Universe

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



43.2836, 0.3485, 0.2402



37.2751, 0.3579, 0.2256



40.6009, 0.4140, 0.2997



18.2114, 0.3180, 0.3118



12.9859, 0.4040, 0.1999

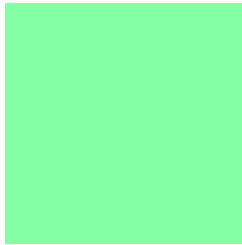


1.2827, 0.3923, 0.1935



# Previews

## White Background



This preview shows how the Yxy color 79.2597, 0.2903, 0.4399 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 79.2597, 0.2903, 0.4399 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

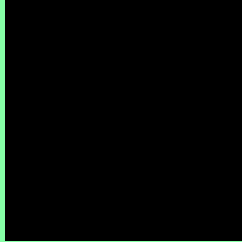
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.2597, 0.2903, 0.4399**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.2597, 0.2903, 0.4399.

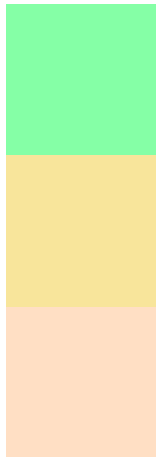


This preview shows how white text looks on a background with the Yxy color 79.2597, 0.2903, 0.4399.

# 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

79.2597, 0.2903, 0.4399

### Protanopia

78.3616, 0.3758, 0.4054

### Deuteranopia

78.0209, 0.3546, 0.3566



## Tritanopia

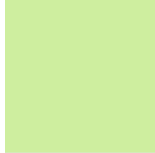
78.8873, 0.2667, 0.3124

# Trichromacy



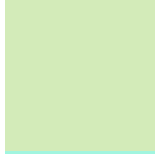
## Original Color

79.2597, 0.2903, 0.4399



## Protanomaly

76.7741, 0.3396, 0.4186



## Deuteranomaly

76.7683, 0.3277, 0.3851



## Tritanomaly

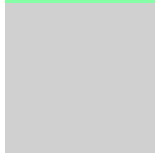
78.2096, 0.2750, 0.3545

# Monochromacy



## Original Color

79.2597, 0.2903, 0.4399



## Achromatopsia

63.0757, 0.3127, 0.3290



## Achromatomaly

67.5244, 0.3027, 0.3676

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.2597, 0.2903, 0.4399 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(133, 255, 166)` looks like.

```
.text, #text, p{  
    color:rgb(133, 255, 166)  
}
```

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(133, 255, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 255, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 79.2597, 0.2903, 0.4399 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(133, 255, 166) }
```

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

```
.border{ border-color:rgb(133, 255, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 255, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 255, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 255, 166);  
box-shadow:4px 4px 4px 4px rgb(133, 255,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.2597, 0.2903, 0.4399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 255, 166) }
```

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

```
.background{ background-color: rgb(133,  
255, 166) }
```

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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