

# Converting Colors

$Yxy(88.3698, 0.3165, 0.4895)$

Have a look what the booklet for  
Yxy(88.3698, 0.3165, 0.4895)  
contains.

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# Color

**Yxy(79.9040, 0.3177, 0.4797)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99FF82
RGB	153, 255, 130
RGB Percent	60%, 100%, 51%
CMY	0.4002, 0.0000, 0.4902
CMYK	0.40, 0.00, 0.49, 0.00
HSL	109°, 100%, 75%
HSV	109°, 49%, 100%
XYZ	52.9195, 79.9040, 33.7472
YIQ	210.2520, -20.6670, -60.4990

# Conversions

## Conversions Part 2

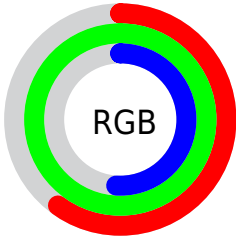
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">130, 255, 232</a>
Decimal	<a href="#">10092418</a>
CIELab	<a href="#">91.64, -52.64, 50.24</a>
CIELCh	<a href="#">92, 72.765, 136.335</a>
Yxy	<a href="#">79.9040, 0.3177, 0.4797</a>
Android (android.graphics.Color)	<a href="#">4288282498 (0xFF99FF82)</a>
YUV	<a href="#">210.2520, -39.5642, -50.2100</a>
Hunter-Lab	<a href="#">89.3890, -50.7564, 40.1884</a>

# Details

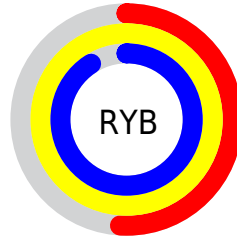
The Yxy color **79.9040, 0.3177, 0.4797** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **40.3423, 0.2982, 0.2028**, and the grayscale version is **64.8883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8717, 0.3251, 0.4048**, and **43.3569, 0.3140, 0.5185** is the 20% darker color. If you saturate the color by 10%, you get **77.4467, 0.3169, 0.5132**, and if you desaturate by 10%, it is **82.8757, 0.3177, 0.4453**.

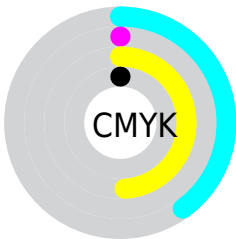
# Distribution



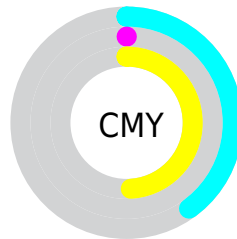
- Red (60%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (91%)



- Cyan (40%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.9040, 0.3177, 0.4797 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 79.9040, 0.3177, 0.4797 by changing the saturation by 10% instead.




 79.9040, 0.3177,  
0.4797


 79.9040, 0.3177,  
0.4797

494.6093, 0.3191,  
0.4066


 59.6394, 0.3163,  
0.4969

 133.2308, 0.3190,  
0.4539

 43.1280, 0.3140,  
0.5182


 167.0617, 0.3193,  
0.4439

 29.9856, 0.3101,  
0.5452


 206.1834, 0.3194,  
0.4354

 19.8276, 0.3034,  
0.5801

250.9805, 0.3195,  
0.4281

 12.2698, 0.2914,  
0.6262

301.8372, 0.3194,  
0.4217

 6.9277, 0.2725,  
0.6971


359.1380, 0.3193,


 3.4169, 0.2266,


0.4160

0.7734

423.2672, 0.3192,  
0.4110

 1.3531, 0.0000,  
1.0000

 0.1818, 0.0000,  
1.0000


 79.9040, 0.3177,  
0.4797


 79.9040, 0.3177,  
0.4797


 77.4467, 0.3169,  
0.5132


 82.8757, 0.3177,  
0.4453


 75.4854, 0.3151,  
0.5434

 86.4029, 0.3170,  
0.4119

 73.9812, 0.3124,  
0.5681

 90.5080, 0.3158,  
0.3806

 72.8949, 0.3090,  
0.5855

 95.2153, 0.3143,  
0.3521

■ 72.1757, 0.3054,  
0.5952

100.0000, 0.3127,  
0.3290

■ 72.1210, 0.3051,  
0.5959

# Harmonies

## Analogous

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



79.9040, 0.3964, 0.4775



79.9040, 0.3177, 0.4797



79.9040, 0.2419, 0.4180

# Triad

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



79.9040, 0.3177, 0.4797



79.9040, 0.1799, 0.2120



79.9040, 0.4503, 0.3111

# Complementary

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



79.9040, 0.3177, 0.4797



40.3423, 0.2982, 0.2028

# Split Complementary

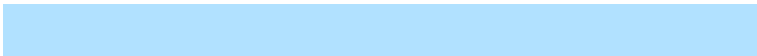
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.9040, 0.3754, 0.2581



79.9040, 0.3177, 0.4797



79.9040, 0.2199, 0.2032

# Square

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



79.9040, 0.3177, 0.4797



79.9040, 0.1695, 0.2515



79.9040, 0.2886, 0.2200



79.9040, 0.4802, 0.3712



# Rectangle

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



79.9040, 0.3177, 0.4797



79.9040, 0.2036, 0.3561



79.9040, 0.2886, 0.2200



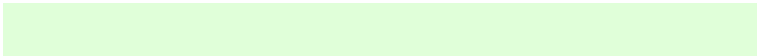
79.9040, 0.4290, 0.2923

# Sweetspot

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



79.8997, 0.3177, 0.4797



92.3287, 0.3152, 0.3687



79.4636, 0.3964, 0.4281



19.5554, 0.3155, 0.3749



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

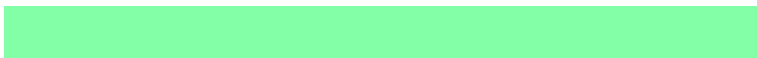
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.8997, 0.3177, 0.4797



77.4521, 0.3169, 0.5131



79.0730, 0.2882, 0.4384



20.3286, 0.3143, 0.3534



37.7306, 0.3059, 0.5954



3.7148, 0.3125, 0.5901



# Inverse Universe

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



40.3423, 0.2982, 0.2028



33.6201, 0.2938, 0.1801



42.2575, 0.3533, 0.2415



18.1217, 0.3108, 0.3054



10.8511, 0.2747, 0.1287

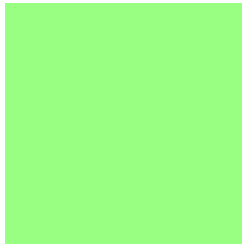


1.0983, 0.2802, 0.1317



# Previews

## White Background



This preview shows how the Yxy color 79.9040, 0.3177, 0.4797 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 79.9040, 0.3177, 0.4797 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

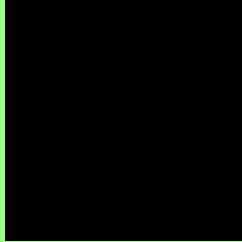
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

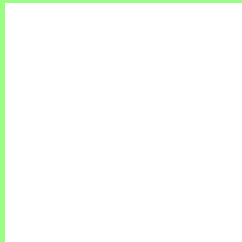
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.9040, 0.3177, 0.4797**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.9040, 0.3177, 0.4797.

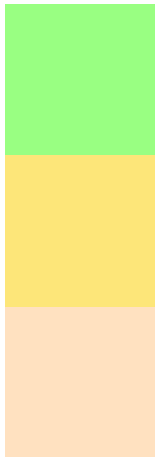


This preview shows how white text looks on a background with the Yxy color 79.9040, 0.3177, 0.4797.

# 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

79.9040, 0.3177, 0.4797

### Protanopia

78.8568, 0.4001, 0.4366

### Deuteranopia

78.9162, 0.3570, 0.3627



## Tritanopia

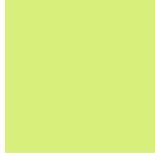
79.5178, 0.2720, 0.3116

# Trichromacy



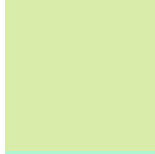
## Original Color

79.9040, 0.3177, 0.4797



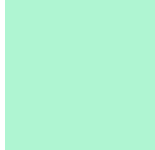
## Protanomaly

77.9400, 0.3673, 0.4535



## Deuteranomaly

77.7609, 0.3425, 0.4031



## Tritanomaly

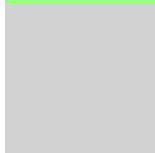
79.0719, 0.2895, 0.3695

# Monochromacy



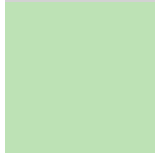
## Original Color

79.9040, 0.3177, 0.4797



## Achromatopsia

64.4480, 0.3127, 0.3290



## Achromatomaly

68.5477, 0.3157, 0.3829

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.9040, 0.3177, 0.4797 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(153, 255, 130)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 130)  
}
```

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(153, 255, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 79.9040, 0.3177, 0.4797 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(153, 255, 130) }
```

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

```
.border{ border-color:rgb(153, 255, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 130);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.9040, 0.3177, 0.4797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 130) }
```

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

```
.background{ background-color: rgb(153,  
255, 130) }
```

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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