

# Converting Colors

$Yxy(77.7538, 0.3318, 0.4750)$

Have a look what the booklet for  
Yxy(77.7538, 0.3318, 0.4750)  
contains.

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# Color

**Yxy(77.8900, 0.3319, 0.4754)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABF97D
RGB	171, 249, 125
RGB Percent	67%, 98%, 49%
CMY	0.3293, 0.0235, 0.5098
CMYK	0.31, 0.00, 0.50, 0.02
HSL	98°, 91%, 73%
HSV	98°, 50%, 98%
XYZ	54.3788, 77.8900, 31.5722
YIQ	211.5420, -6.6840, -55.1000

# Conversions

## Conversions Part 2

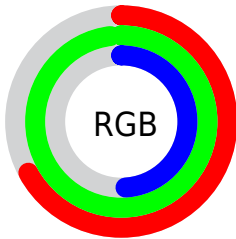
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">125, 249, 203</a>
Decimal	<a href="#">11270525</a>
CIELab	<a href="#">90.73, -44.96, 51.64</a>
CIElCh	<a href="#">91, 68.470, 131.044</a>
Yxy	<a href="#">77.8900, 0.3319, 0.4754</a>
Android (android.graphics.Color)	<a href="#">4289460605 (0xFFABF97D)</a>
YUV	<a href="#">211.5420, -42.6652, -35.5553</a>
Hunter-Lab	<a href="#">88.2553, -44.4634, 40.5685</a>

# Details

The Yxy color **77.8900, 0.3319, 0.4754** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **34.2007, 0.2773, 0.1933**, and the grayscale version is **65.8178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4733, 0.3398, 0.4073**, and **41.8120, 0.3317, 0.5119** is the 20% darker color. If you saturate the color by 10%, you get **75.6789, 0.3329, 0.5061**, and if you desaturate by 10%, it is **80.4756, 0.3295, 0.4435**.

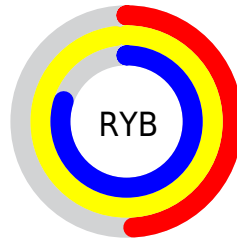
# Distribution



Red (67%)

Green (98%)

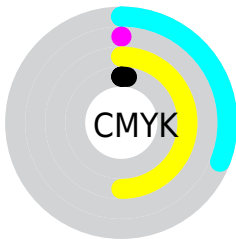
Blue (49%)



Red (49%)

Yellow (98%)

Blue (80%)

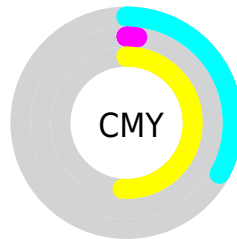


Cyan (31%)

Magenta (0%)

Yellow (50%)

Black (2%)



Cyan (33%)

Magenta (2%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8900, 0.3319, 0.4754 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 77.8900, 0.3319, 0.4754 by changing the saturation by 10% instead.





 77.8900, 0.3319,  
0.4754

 77.8900, 0.3319,  
0.4754


487.7932, 0.3267,  
0.4048

 57.9836, 0.3320,  
0.4918


 130.3950, 0.3310,  
0.4506

 41.7955, 0.3314,  
0.5121


 163.7625, 0.3303,  
0.4410

 28.9412, 0.3297,  
0.5377


 202.3858, 0.3297,  
0.4328

 19.0363, 0.3256,  
0.5704

246.6493, 0.3291,  
0.4257

 11.6965, 0.3167,  
0.6130

296.9373, 0.3284,  
0.4194

 6.5374, 0.3052,  
0.6850


353.6344, 0.3278,


 3.1745, 0.2587,


0.4140

0.7413


417.1249, 0.3273,  
0.4091


 1.2235, 0.0251,  
0.9749


 0.0808, 0.0000,  
1.0000


 77.8900, 0.3319,  
0.4754


 77.8900, 0.3319,  
0.4754


 75.6789, 0.3329,  
0.5061


 80.4756, 0.3295,  
0.4435


 73.8128, 0.3322,  
0.5339


 83.4433, 0.3260,  
0.4119


 72.2735, 0.3296,  
0.5568

 86.8130, 0.3219,  
0.3818


 71.0364, 0.3253,  
0.5735

 90.6003, 0.3173,  
0.3539

 70.0659, 0.3199,  
0.5841

 94.8196, 0.3126,  
0.3285

 70.0481, 0.3198,  
0.5843

 96.2299, 0.3130,  
0.3233

# Harmonies

## Analogous

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



77.8900, 0.4053, 0.4651



77.8900, 0.3319, 0.4754



77.8900, 0.2574, 0.4268

# Triad

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



77.8900, 0.3319, 0.4754



77.8900, 0.1817, 0.2218



77.8900, 0.4332, 0.3028

# Complementary

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



77.8900, 0.3319, 0.4754



34.2007, 0.2773, 0.1933

# 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.



77.8900, 0.3577, 0.2535



77.8900, 0.3319, 0.4754



77.8900, 0.2152, 0.2081

# Square

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



77.8900, 0.3319, 0.4754



77.8900, 0.1767, 0.2658



77.8900, 0.2767, 0.2201



77.8900, 0.4708, 0.3600



# Rectangle

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



77.8900, 0.3319, 0.4754



77.8900, 0.2173, 0.3707



77.8900, 0.2767, 0.2201



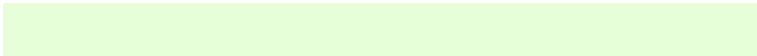
77.8900, 0.4108, 0.2851

# Sweetspot

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



77.8934, 0.3319, 0.4754



93.4975, 0.3197, 0.3682



63.6124, 0.4095, 0.4086



19.8343, 0.3207, 0.3742



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.



77.8934, 0.3319, 0.4754



79.8301, 0.3329, 0.5070



73.9886, 0.2987, 0.4700



19.6230, 0.3172, 0.3531



37.5704, 0.3209, 0.5834



3.5378, 0.3300, 0.5762



# Inverse Universe

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



34.2007, 0.2773, 0.1933



28.7554, 0.2673, 0.1666



40.7800, 0.3315, 0.2204



17.1838, 0.3078, 0.3052



7.5579, 0.2295, 0.1038

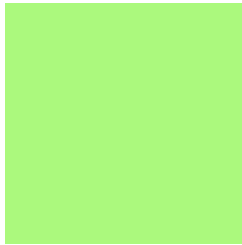


0.7603, 0.2403, 0.1098



# Previews

## White Background



This preview shows how the Yxy color 77.8900, 0.3319, 0.4754 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 77.8900, 0.3319, 0.4754 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

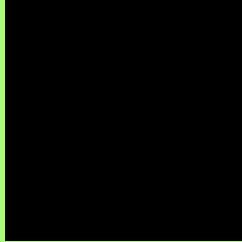
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.8900, 0.3319, 0.4754**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.8900, 0.3319, 0.4754.

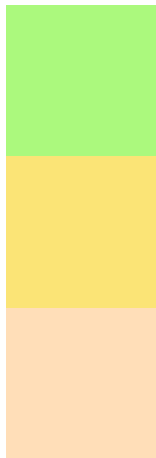


This preview shows how white text looks on a background with the Yxy color 77.8900, 0.3319, 0.4754.

# 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

77.8900, 0.3319, 0.4754

### Protanopia

77.3040, 0.4013, 0.4382

### Deuteranopia

76.9632, 0.3634, 0.3679



## Tritanopia

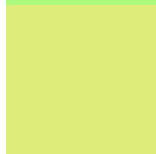
77.6488, 0.2743, 0.3083

# Trichromacy



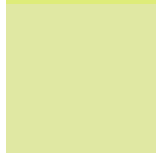
## Original Color

77.8900, 0.3319, 0.4754



## Protanomaly

76.9010, 0.3738, 0.4522



## Deuteranomaly

76.2049, 0.3516, 0.4047



## Tritanomaly

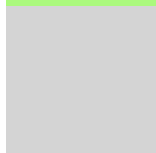
77.0155, 0.2964, 0.3670

# Monochromacy



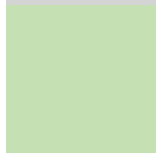
## Original Color

77.8900, 0.3319, 0.4754



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

69.0160, 0.3221, 0.3821

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  77.8900, 0.3319, 0.4754 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(171, 249, 125)` looks like.

```
.text, #text, p{  
    color:rgb(171, 249, 125)  
}
```

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(171, 249, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 249, 125) }
```

## Border

The CSS property to change the border of an element to Yxy 77.8900, 0.3319, 0.4754 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(171, 249, 125) }
```

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

```
.border{ border-color:rgb(171, 249, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 249, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 249, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 249, 125);  
box-shadow:4px 4px 4px 4px rgb(171, 249,  
125) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.8900, 0.3319, 0.4754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 249, 125) }
```

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

```
.background{ background-color: rgb(171,  
249, 125) }
```

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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