

# Converting Colors

$Yxy(78.0929, 0.3043, 0.4318)$

Have a look what the booklet for  
Yxy(78.0929, 0.3043, 0.4318)  
contains.

<b>Yxy(77.8389, 0.3045, 0.4312)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(77.8389, 0.3045, 0.4312)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FF9A5
RGB	159, 249, 165
RGB Percent	62%, 98%, 65%
CMY	0.3764, 0.0235, 0.3530
CMYK	0.36, 0.00, 0.34, 0.02
HSL	124°, 88%, 80%
HSV	124°, 36%, 98%
XYZ	54.9674, 77.8389, 47.7106
YIQ	212.5140, -26.6760, -45.2040

# Conversions

## Conversions Part 2

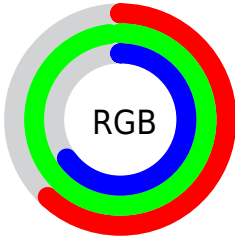
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">159, 243, 249</a>
Decimal	<a href="#">10484133</a>
CIELab	<a href="#">90.71, -43.37, 32.07</a>
CIElCh	<a href="#">91, 53.936, 143.519</a>
Yxy	<a href="#">77.8389, 0.3045, 0.4312</a>
Android (android.graphics.Color)	<a href="#">4288674213 (0xFF9FF9A5)</a>
YUV	<a href="#">212.5140, -23.4244, -46.9318</a>
Hunter-Lab	<a href="#">88.2264, -43.1858, 29.6959</a>

# Details

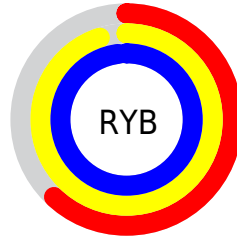
The Yxy color **77.8389, 0.3045, 0.4312** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **51.4213, 0.3218, 0.2445**, and the grayscale version is **66.3751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3394, 0.3080, 0.3647**, and **41.7527, 0.3005, 0.4585** is the 20% darker color. If you saturate the color by 10%, you get **74.7761, 0.3023, 0.4653**, and if you desaturate by 10%, it is **81.5750, 0.3068, 0.3990**.

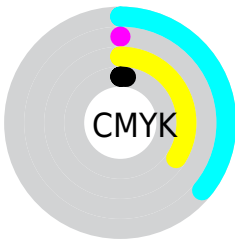
# Distribution



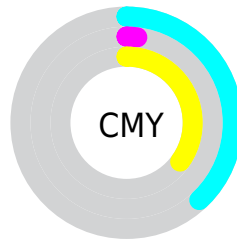
- Red (62%)
- Green (98%)
- Blue (65%)



- Red (62%)
- Yellow (95%)
- Blue (98%)



- Cyan (36%)
- Magenta (0%)
- Yellow (34%)
- Black (2%)




- Cyan (38%)
- Magenta (2%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8389, 0.3045, 0.4312 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 77.8389, 0.3045, 0.4312 by changing the saturation by 10% instead.





 77.8389, 0.3045,  
0.4312


 77.8389, 0.3045,  
0.4312


487.6195, 0.3099,  
0.3816

 57.9416, 0.3028,  
0.4430


 130.3230, 0.3067,  
0.4136

 41.7617, 0.3006,  
0.4578


 163.6786, 0.3075,  
0.4069

 28.9148, 0.2973,  
0.4769


202.2892, 0.3081,  
0.4011

 19.0164, 0.2924,  
0.5024

246.5391, 0.3086,  
0.3962

 11.6821, 0.2845,  
0.5378

296.8126, 0.3090,  
0.3918

 6.5276, 0.2706,  
0.5895


353.4943, 0.3093,


 3.1685, 0.2518,


0.3880


0.6927


416.9685, 0.3096,  
0.3847


 1.2203, 0.0527,  
0.9473

 0.0782, 0.0000,  
1.0000


 77.8389, 0.3045,  
0.4312


 77.8389, 0.3045,  
0.4312


 74.7761, 0.3023,  
0.4653

 81.5750, 0.3068,  
0.3990


 72.3374, 0.3005,  
0.4996

 86.0106, 0.3091,  
0.3696

 70.4826, 0.2991,  
0.5319

 91.1825, 0.3114,  
0.3434

 69.1628, 0.2984,  
0.5597

 96.2325, 0.3130,  
0.3233

■ 68.3209, 0.2984,  
0.5808

■ 67.8868, 0.2990,  
0.5939

■ 67.7913, 0.2991,  
0.5969

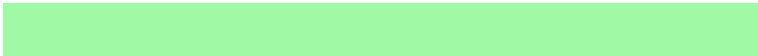
# Harmonies

## Analogous

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



77.8389, 0.3661, 0.4447



77.8389, 0.3045, 0.4312



77.8389, 0.2483, 0.3788

# Triad

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



77.8389, 0.3045, 0.4312



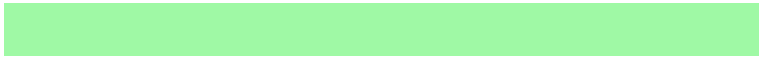
77.8389, 0.2145, 0.2349



77.8389, 0.4246, 0.3289

# Complementary

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



77.8389, 0.3045, 0.4312



51.4213, 0.3218, 0.2445

# 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.



77.8389, 0.3755, 0.2838



77.8389, 0.3045, 0.4312



77.8389, 0.2527, 0.2318

# Square

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



77.8389, 0.3045, 0.4312



77.8389, 0.2003, 0.2618



77.8389, 0.3107, 0.2495

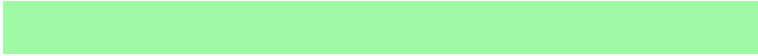


77.8389, 0.4391, 0.3774



# Rectangle

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



77.8389, 0.3045, 0.4312



77.8389, 0.2211, 0.3345



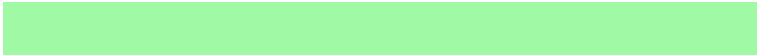
77.8389, 0.3107, 0.2495



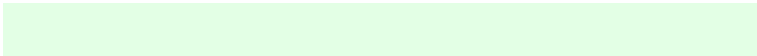
77.8389, 0.4114, 0.3131

# Sweetspot

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



77.8422, 0.3045, 0.4312



93.4889, 0.3103, 0.3558



89.5800, 0.3640, 0.4201



19.8532, 0.3100, 0.3594



0.0000, 0.0000, 0.0000

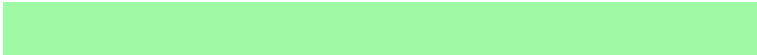


21.4041, 0.3127, 0.3290

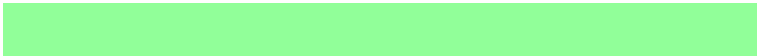


# Same Dimension

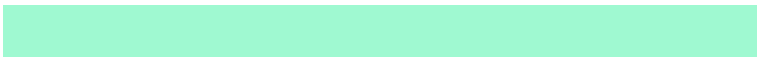
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8422, 0.3045, 0.4312



79.8581, 0.3030, 0.4547



79.7060, 0.2818, 0.3767



19.3278, 0.3107, 0.3519



36.2940, 0.2989, 0.5959



3.3677, 0.2961, 0.5861



# Inverse Universe

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



51.4213, 0.3218, 0.2445



48.3802, 0.3237, 0.2292



49.0943, 0.3606, 0.2863



17.5036, 0.3148, 0.3071



13.9244, 0.3382, 0.1637

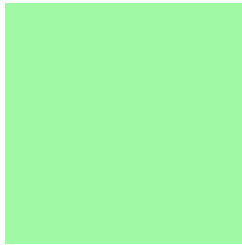


1.2954, 0.3360, 0.1624



# Previews

## White Background



This preview shows how the Yxy color 77.8389, 0.3045, 0.4312 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 77.8389, 0.3045, 0.4312 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

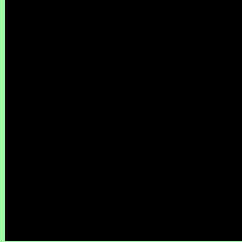
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.8389, 0.3045, 0.4312**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.8389, 0.3045, 0.4312.

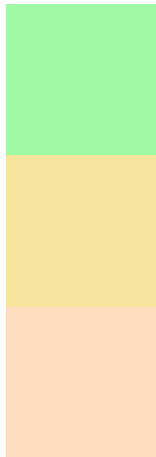


This preview shows how white text looks on a background with the Yxy color 77.8389, 0.3045, 0.4312.

# 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

77.8389, 0.3045, 0.4312

### Protanopia

76.9313, 0.3743, 0.4029

### Deuteranopia

76.7787, 0.3579, 0.3587



## Tritanopia

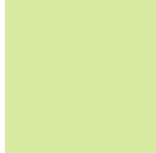
77.4917, 0.2679, 0.3091

# Trichromacy



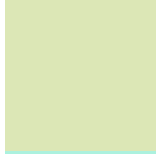
## Original Color

77.8389, 0.3045, 0.4312



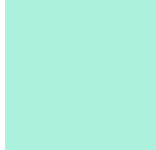
## Protanomaly

76.2160, 0.3461, 0.4141



## Deuteranomaly

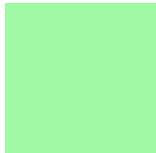
75.7449, 0.3366, 0.3832



## Tritanomaly

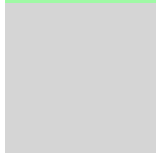
76.9552, 0.2811, 0.3509

# Monochromacy



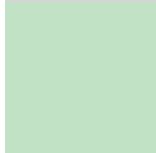
## Original Color

77.8389, 0.3045, 0.4312



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

69.7157, 0.3090, 0.3642

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.8389, 0.3045, 0.4312 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(159, 249, 165)` looks like.

```
.text, #text, p{  
    color:rgb(159, 249, 165)  
}
```

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(159, 249, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 249, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 77.8389, 0.3045, 0.4312 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(159, 249, 165) }
```

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

```
.border{ border-color:rgb(159, 249, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 249, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 249, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 249, 165);  
box-shadow:4px 4px 4px 4px rgb(159, 249,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.8389, 0.3045, 0.4312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 249, 165) }
```

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

```
.background{ background-color: rgb(159,  
249, 165) }
```

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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