

# Converting Colors

Yxy(76.5817, 0.3009, 0.4408)

Have a look what the booklet for  
Yxy(76.5817, 0.3009, 0.4408)  
contains.

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# Color

**Yxy(76.4576, 0.3008, 0.4408)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93F99F
RGB	147, 249, 159
RGB Percent	58%, 98%, 62%
CMY	0.4233, 0.0235, 0.3764
CMYK	0.41, 0.00, 0.36, 0.02
HSL	127°, 89%, 78%
HSV	127°, 41%, 98%
XYZ	52.1743, 76.4576, 44.8200
YIQ	208.2420, -31.9020, -49.6140

# Conversions

## Conversions Part 2

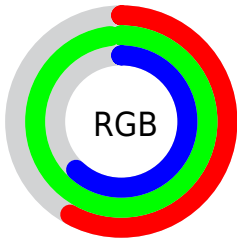
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 238, 249
Decimal	9697695
CIELab	90.07, -47.81, 34.11
CIElCh	90, 58.727, 144.497
Yxy	76.4576, 0.3008, 0.4408
Android (android.graphics.Color)	4287887775 (0xFF93F99F)
YUV	208.2420, -24.2763, -53.7092
Hunter-Lab	87.4400, -46.5114, 30.8172

# Details

The Yxy color **76.4576, 0.3008, 0.4408** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **47.1371, 0.3277, 0.2384**, and the grayscale version is **63.4277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3542, 0.3052, 0.3732**, and **40.9345, 0.2953, 0.4699** is the 20% darker color. If you saturate the color by 10%, you get **73.7052, 0.2984, 0.4736**, and if you desaturate by 10%, it is **79.8502, 0.3036, 0.4093**.

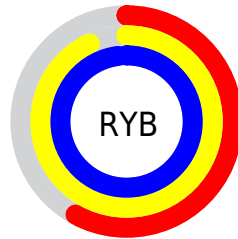
# Distribution



Red (58%)

Green (98%)

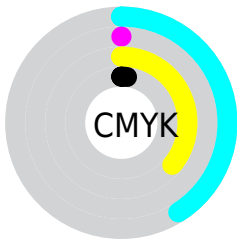
Blue (62%)



Red (58%)

Yellow (93%)

Blue (98%)

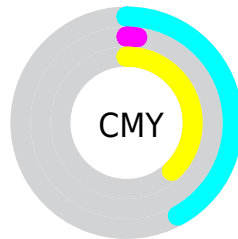


Cyan (41%)

Magenta (0%)

Yellow (36%)

Black (2%)



Cyan (42%)

Magenta (2%)


Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.4576, 0.3008, 0.4408 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 76.4576, 0.3008, 0.4408 by changing the saturation by 10% instead.




 76.4576, 0.3008,  
0.4408


 76.4576, 0.3008,  
0.4408


482.9127, 0.3082,  
0.3862

 56.8078, 0.2986,  
0.4539


 128.3735, 0.3038,  
0.4213

 40.8510, 0.2956,  
0.4704


 161.4085, 0.3048,  
0.4139

 28.2026, 0.2913,  
0.4918


199.6739, 0.3057,  
0.4076

 18.4785, 0.2849,  
0.5203

243.5543, 0.3064,  
0.4021

 11.2941, 0.2747,  
0.5600

293.4340, 0.3069,  
0.3973

 6.2650, 0.2571,  
0.6179


349.6973, 0.3074,


 3.0069, 0.2378,


0.3932

0.7534


412.7288, 0.3078,  
0.3895

 1.1353, 0.0000,  
1.0000


 0.0079, 0.0000,  
1.0000


 76.4576, 0.3008,  
0.4408


 76.4576, 0.3008,  
0.4408


 73.7052, 0.2984,  
0.4736


 79.8502, 0.3036,  
0.4093


 71.5438, 0.2967,  
0.5063

 83.9095, 0.3065,  
0.3803

 69.9325, 0.2958,  
0.5366

 88.6724, 0.3095,  
0.3541

 68.8208, 0.2959,  
0.5623

 94.1699, 0.3124,  
0.3310

■ 68.1491, 0.2968,  
0.5816

■ 96.2291, 0.3130,  
0.3233

■ 67.8391, 0.2980,  
0.5929

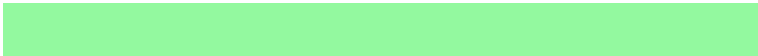
# Harmonies

## Analogous

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



76.4576, 0.3678, 0.4561



76.4576, 0.3008, 0.4408



76.4576, 0.2405, 0.3814

# Triad

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



76.4576, 0.3008, 0.4408



76.4576, 0.2073, 0.2263



76.4576, 0.4365, 0.3297

# Complementary

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



76.4576, 0.3008, 0.4408



47.1371, 0.3277, 0.2384

# 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.



76.4576, 0.3835, 0.2812



76.4576, 0.3008, 0.4408



76.4576, 0.2490, 0.2242

# Square

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



76.4576, 0.3008, 0.4408



76.4576, 0.1912, 0.2539



76.4576, 0.3124, 0.2439



76.4576, 0.4505, 0.3820



# Rectangle

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



76.4576, 0.3008, 0.4408



76.4576, 0.2119, 0.3321



76.4576, 0.3124, 0.2439



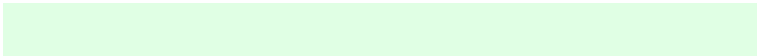
76.4576, 0.4225, 0.3127

# Sweetspot

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



76.4608, 0.3008, 0.4408



93.0325, 0.3092, 0.3568



87.8794, 0.3657, 0.4336



19.7650, 0.3088, 0.3601



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

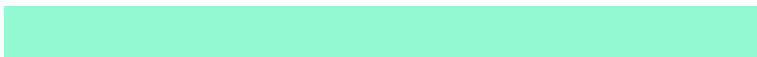
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.4608, 0.3008, 0.4408



78.3058, 0.2988, 0.4674



78.6056, 0.2750, 0.3757



19.3424, 0.3099, 0.3506



36.3248, 0.2976, 0.5914



3.3746, 0.2933, 0.5758



# Inverse Universe

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



47.1371, 0.3277, 0.2384



43.5488, 0.3313, 0.2219



44.5723, 0.3766, 0.2875



17.4874, 0.3156, 0.3083



13.5531, 0.3530, 0.1718

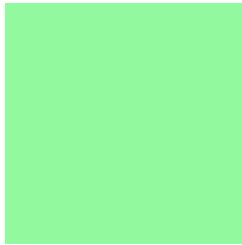


1.2649, 0.3486, 0.1694



# Previews

## White Background



This preview shows how the Yxy color 76.4576, 0.3008, 0.4408 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 76.4576, 0.3008, 0.4408 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 76.4576, 0.3008, 0.4408**

## Background



This preview shows how black text looks on a background with the Yxy color 76.4576, 0.3008, 0.4408.

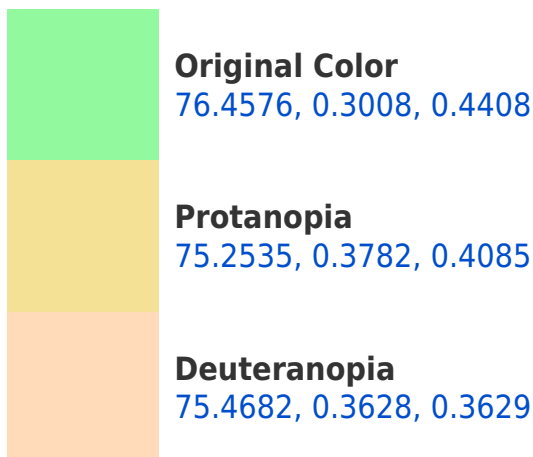


This preview shows how white text looks on a background with the Yxy color 76.4576, 0.3008, 0.4408.

# 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





## Tritanopia

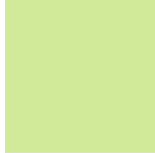
76.3344, 0.2626, 0.3088

# Trichromacy



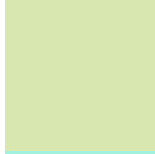
## Original Color

76.4576, 0.3008, 0.4408



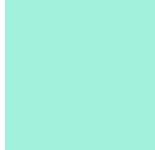
## Protanomaly

74.7009, 0.3463, 0.4209



## Deuteranomaly

74.3271, 0.3378, 0.3895



## Tritanomaly

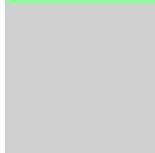
75.7593, 0.2767, 0.3536

# Monochromacy



## Original Color

76.4576, 0.3008, 0.4408



## Achromatopsia

63.0757, 0.3127, 0.3290



## Achromatomaly

66.9322, 0.3081, 0.3687

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.4576, 0.3008, 0.4408 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(147, 249, 159)` looks like.

```
.text, #text, p{  
    color:rgb(147, 249, 159)  
}
```

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(147, 249, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 249, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 76.4576, 0.3008, 0.4408 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(147, 249, 159) }
```

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

```
.border{ border-color:rgb(147, 249, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 249, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 249, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 249, 159); box-shadow:4px 4px 4px 4px rgb(147, 249, 159) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.4576, 0.3008, 0.4408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 249, 159) }
```

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

```
.background{ background-color: rgb(147,  
249, 159) }
```

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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