

# Converting Colors

Yxy(75.5346, 0.3071, 0.4488)

Have a look what the booklet for  
Yxy(75.5346, 0.3071, 0.4488)  
contains.

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**Color**

**Yxy(75.3352, 0.3071, 0.4483)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 97F797                       |
| RGB         | 151, 247, 151                |
| RGB Percent | 59%, 97%, 59%                |
| CMY         | 0.4079, 0.0313, 0.4078       |
| CMYK        | 0.39, 0.00, 0.39, 0.03       |
| HSL         | 120°, 86%, 78%               |
| HSV         | 120°, 39%, 97%               |
| XYZ         | 51.6070, 75.3352, 41.1041    |
| YIQ         | 207.3520, -26.4000, -50.2080 |

# Conversions

## Conversions Part 2

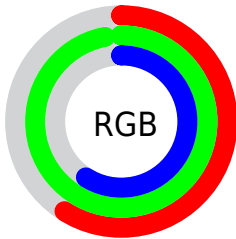
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">151, 247, 247</a>                    |
| Decimal                             | <a href="#">9959319</a>                          |
| CIELab                              | <a href="#">89.55, -47.05, 37.44</a>             |
| CIElCh                              | <a href="#">90, 60.126, 141.491</a>              |
| Yxy                                 | <a href="#">75.3352, 0.3071,<br/>0.4483</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4288149399<br/>(0xFF97F797)</a>      |
| YUV                                 | <a href="#">207.3520, -27.7815,<br/>-49.4207</a> |
| Hunter-Lab                          | <a href="#">86.7959, -45.7603,<br/>32.6790</a>   |

# Details

The Yxy color **75.3352, 0.3071, 0.4483** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **48.6162, 0.3173, 0.2330**, and the grayscale version is **62.8306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5315, 0.3121, 0.3817**, and **40.1607, 0.3031, 0.4795** is the 20% darker color. If you saturate the color by 10%, you get **72.4977, 0.3054, 0.4845**, and if you desaturate by 10%, it is **78.8421, 0.3087, 0.4133**.

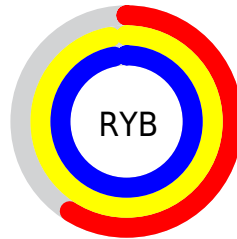
# Distribution



Red (59%)

Green (97%)

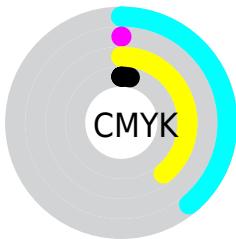
Blue (59%)



Red (59%)

Yellow (97%)

Blue (97%)

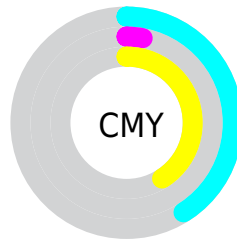


Cyan (39%)

Magenta (0%)

Yellow (39%)

Black (3%)



Cyan (41%)

Magenta (3%)


Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.3352, 0.3071, 0.4483 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 75.3352, 0.3071, 0.4483 by changing the saturation by 10% instead.





 75.3352, 0.3071,  
0.4483

 75.3352, 0.3071,  
0.4483

479.0689, 0.3119,  
0.3899

 55.8875, 0.3054,  
0.4623


 126.7867, 0.3093,  
0.4274

 40.1128, 0.3029,  
0.4800


 159.5594, 0.3099,  
0.4195

 27.6265, 0.2992,  
0.5027


197.5425, 0.3105,  
0.4127

 18.0443, 0.2934,  
0.5331

241.1205, 0.3109,  
0.4069

 10.9818, 0.2835,  
0.5750

290.6778, 0.3112,  
0.4018

 6.0546, 0.2655,  
0.6354


346.5986, 0.3115,

 2.8783, 0.2403,


0.3973


0.7597

409.2676, 0.3117,  
0.3934

 1.0685, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 75.3352, 0.3071,  
0.4483


 75.3352, 0.3071,  
0.4483


 72.4977, 0.3054,  
0.4845


 78.8421, 0.3087,  
0.4133


 70.2783, 0.3037,  
0.5197

 83.0469, 0.3103,  
0.3809

 68.6338, 0.3023,  
0.5510

 87.9881, 0.3116,  
0.3518

 67.5111, 0.3011,  
0.5757

 93.6986, 0.3128,  
0.3263

■ 66.8474, 0.3004,  
0.5918

■ 95.0061, 0.3131,  
0.3214

■ 66.5503, 0.3000,  
0.5994

■ 66.5263, 0.3000,  
0.6000

# Harmonies

## Analogous

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



75.3352, 0.3756, 0.4586



75.3352, 0.3071, 0.4483



75.3352, 0.2438, 0.3904

# Triad

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



75.3352, 0.3071, 0.4483



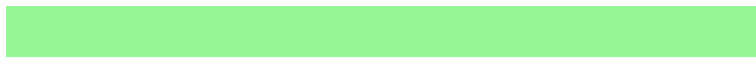
75.3352, 0.2018, 0.2253



75.3352, 0.4363, 0.3241

# Complementary

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



75.3352, 0.3071, 0.4483



48.6162, 0.3173, 0.2330

# 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.



75.3352, 0.3785, 0.2754



75.3352, 0.3071, 0.4483



75.3352, 0.2419, 0.2208

# Square

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



75.3352, 0.3071, 0.4483



75.3352, 0.1881, 0.2561



75.3352, 0.3051, 0.2389



75.3352, 0.4549, 0.3775



# Rectangle

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



75.3352, 0.3071, 0.4483



75.3352, 0.2129, 0.3395



75.3352, 0.3051, 0.2389



75.3352, 0.4205, 0.3070

# Sweetspot

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



75.3384, 0.3071, 0.4483



92.8354, 0.3112, 0.3606



88.5354, 0.3711, 0.4256



19.7191, 0.3111, 0.3643



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

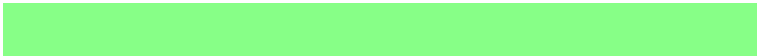


# Same Dimension

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



75.3384, 0.3071, 0.4483



78.4380, 0.3057, 0.4780



77.2268, 0.2823, 0.3871



18.4721, 0.3116, 0.3535



35.1812, 0.3000, 0.6000



3.0921, 0.3000, 0.5999



# Inverse Universe

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



48.6162, 0.3173, 0.2330



45.8471, 0.3181, 0.2146



46.0256, 0.3609, 0.2781



16.7682, 0.3138, 0.3057



14.0067, 0.3210, 0.1542

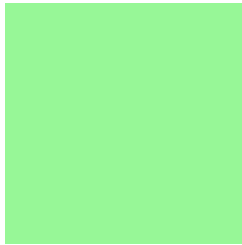


1.2311, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 75.3352, 0.3071, 0.4483 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

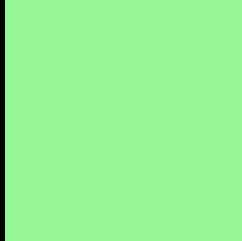
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.3352, 0.3071, 0.4483 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 75.3352, 0.3071, 0.4483**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.3352, 0.3071, 0.4483.

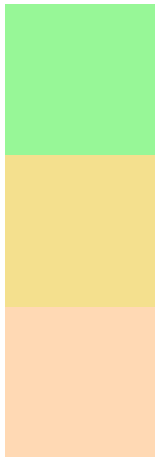


This preview shows how white text looks on a background with the Yxy color 75.3352, 0.3071, 0.4483.

# 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

75.3352, 0.3071, 0.4483

### Protanopia

74.4974, 0.3831, 0.4146

### Deuteranopia

74.1810, 0.3677, 0.3671



## Tritanopia

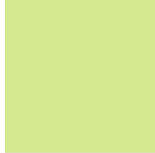
75.2303, 0.2633, 0.3077

# Trichromacy



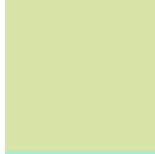
## Original Color

75.3352, 0.3071, 0.4483



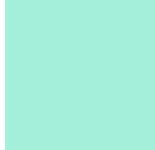
## Protanomaly

73.4592, 0.3525, 0.4276



## Deuteranomaly

73.1031, 0.3435, 0.3953



## Tritanomaly

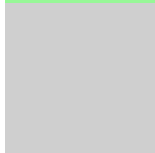
74.6353, 0.2791, 0.3549

# Monochromacy



## Original Color

75.3352, 0.3071, 0.4483



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

66.3952, 0.3107, 0.3712

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.3352, 0.3071, 0.4483 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(151, 247, 151)` looks like.

```
.text, #text, p{  
    color:rgb(151, 247, 151)  
}
```

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(151, 247, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 247, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 75.3352, 0.3071, 0.4483 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(151, 247, 151) }
```

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

```
.border{ border-color:rgb(151, 247, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 247, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 247, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 247, 151);  
box-shadow:4px 4px 4px 4px rgb(151, 247,  
151) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.3352, 0.3071, 0.4483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 247, 151) }
```

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

```
.background{ background-color: rgb(151,  
247, 151) }
```

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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