

Converting Colors

$Y_{xy}(76.6000, 0.3048, 0.4396)$

Have a look what the booklet for
Yxy(76.6000, 0.3048, 0.4396)
contains.

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Color

Yxy(76.4735, 0.3052, 0.4399)

Conversions

Conversions Part 1

Format	Color
Hex	9AF89E
RGB	154, 248, 158
RGB Percent	60%, 97%, 62%
CMY	0.3963, 0.0274, 0.3804
CMYK	0.38, 0.00, 0.36, 0.03
HSL	123°, 87%, 79%
HSV	123°, 38%, 97%
XYZ	53.0569, 76.4735, 44.3126
YIQ	209.6340, -27.1340, -47.9180

Conversions

Conversions Part 2

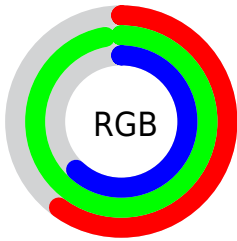
Format	Color
RYB	154, 244, 248
Decimal	10156190
CIELab	90.08, -45.55, 34.68
CIElCh	90, 57.247, 142.712
Yxy	76.4735, 0.3052, 0.4399
Android (android.graphics.Color)	4288346270 (0xFF9AF89E)
YUV	209.6340, -25.4556, -48.7910
Hunter-Lab	87.4491, -44.7370, 31.1707

Details

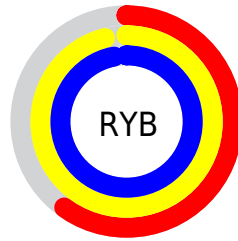
The Yxy color **76.4735, 0.3052, 0.4399** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **49.5793, 0.3205, 0.2386**, and the grayscale version is **64.3728, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1730, 0.3094, 0.3738**, and **40.8989, 0.3009, 0.4684** is the 20% darker color. If you saturate the color by 10%, you get **73.5507, 0.3032, 0.4748**, and if you desaturate by 10%, it is **80.0632, 0.3073, 0.4065**.

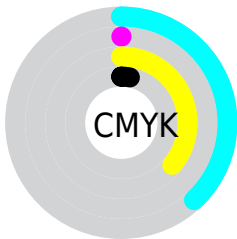
Distribution



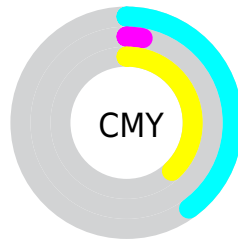
- Red (60%)
- Green (97%)
- Blue (62%)



- Red (60%)
- Yellow (96%)
- Blue (97%)



- Cyan (38%)
- Magenta (0%)
- Yellow (36%)
- Black (3%)





- Cyan (40%)
- Magenta (3%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.4735, 0.3052, 0.4399 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 76.4735, 0.3052, 0.4399 by changing the saturation by 10% instead.


 76.4735, 0.3052,
0.4399

 76.4735, 0.3052,
0.4399


482.9670, 0.3106,
0.3858

 56.8209, 0.3035,
0.4528


 128.3960, 0.3075,
0.4206

 40.8614, 0.3010,
0.4691


 161.4347, 0.3082,
0.4133

 28.2108, 0.2975,
0.4901


199.7041, 0.3088,
0.4070

 18.4846, 0.2920,
0.5181

243.5887, 0.3093,
0.4016

 11.2985, 0.2830,
0.5570

293.4730, 0.3097,
0.3969

 6.2680, 0.2669,
0.6135


349.7411, 0.3101,

 3.0087, 0.2515,

0.3928

0.7485


412.7777, 0.3103,
0.3891


 1.1363, 0.0000,
1.0000


 0.0087, 0.0000,
1.0000


 76.4735, 0.3052,
0.4399


 76.4735, 0.3052,
0.4399


 73.5507, 0.3032,
0.4748


 80.0632, 0.3073,
0.4065

 71.2447, 0.3015,
0.5095

 84.3469, 0.3093,
0.3758

 69.5142, 0.3002,
0.5413

 89.3622, 0.3113,
0.3484

 68.3084, 0.2994,
0.5676

 95.1409, 0.3131,
0.3243

■ 67.5677, 0.2992,
0.5864

■ 95.6238, 0.3130,
0.3223

■ 67.2132, 0.2995,
0.5969

■ 67.1673, 0.2995,
0.5981

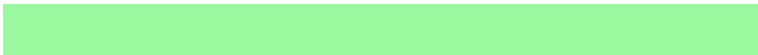
Harmonies

Analogous

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



76.4735, 0.3705, 0.4523



76.4735, 0.3052, 0.4399



76.4735, 0.2453, 0.3842

Triad

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



76.4735, 0.3052, 0.4399



76.4735, 0.2079, 0.2296



76.4735, 0.4313, 0.3269

Complementary

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



76.4735, 0.3052, 0.4399



49.5793, 0.3205, 0.2386

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.



76.4735, 0.3778, 0.2798



76.4735, 0.3052, 0.4399



76.4735, 0.2474, 0.2260

Square

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



76.4735, 0.3052, 0.4399



76.4735, 0.1938, 0.2583



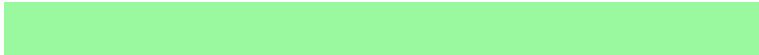
76.4735, 0.3085, 0.2441



76.4735, 0.4475, 0.3781

Rectangle

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



76.4735, 0.3052, 0.4399



76.4735, 0.2163, 0.3364



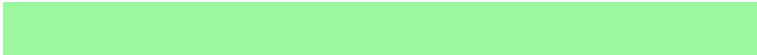
76.4735, 0.3085, 0.2441



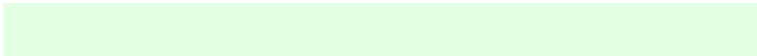
76.4735, 0.4168, 0.3104

Sweetspot

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



76.4767, 0.3052, 0.4399



93.4532, 0.3107, 0.3565



88.8656, 0.3676, 0.4241



19.8447, 0.3104, 0.3601



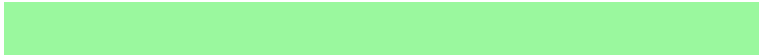
0.0000, 0.0000, 0.0000



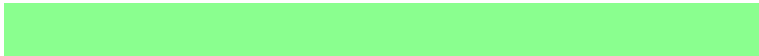
21.4041, 0.3127, 0.3290

Same Dimension

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



76.4767, 0.3052, 0.4399



78.8738, 0.3036, 0.4683



78.3730, 0.2813, 0.3815



19.3214, 0.3110, 0.3524



36.2841, 0.2993, 0.5974



3.3647, 0.2975, 0.5908

Inverse Universe

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



49.5793, 0.3205, 0.2386



46.2490, 0.3223, 0.2207



47.1205, 0.3623, 0.2825



17.5109, 0.3145, 0.3066



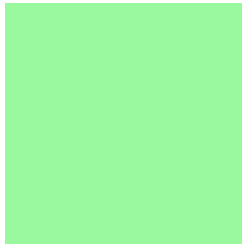
14.0982, 0.3320, 0.1603



1.3096, 0.3306, 0.1595

Previews

White Background



This preview shows how the Yxy color 76.4735, 0.3052, 0.4399 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 76.4735, 0.3052, 0.4399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

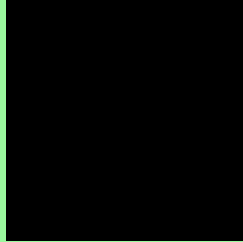
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

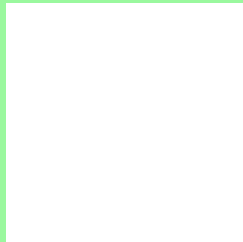
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.4735, 0.3052, 0.4399

Background



This preview shows how black text looks on a background with the Yxy color 76.4735, 0.3052, 0.4399.

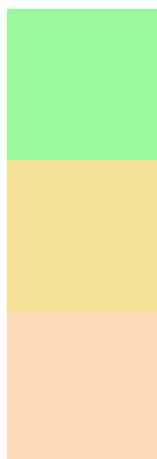


This preview shows how white text looks on a background with the Yxy color 76.4735, 0.3052, 0.4399.

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

76.4735, 0.3052, 0.4399

Protanopia

75.4328, 0.3789, 0.4083

Deuteranopia

75.4682, 0.3628, 0.3629



Tritanopia

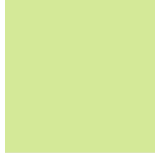
76.0951, 0.2640, 0.3078

Trichromacy



Original Color

76.4735, 0.3052, 0.4399



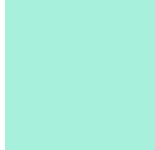
Protanomaly

74.5419, 0.3494, 0.4204



Deuteranomaly

74.6336, 0.3393, 0.3893



Tritanomaly

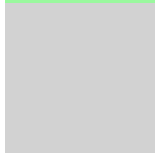
75.5945, 0.2787, 0.3523

Monochromacy



Original Color

76.4735, 0.3052, 0.4399



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

68.0200, 0.3102, 0.3682

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.4735, 0.3052, 0.4399 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(154, 248, 158)` looks like.

```
.text, #text, p{  
    color:rgb(154, 248, 158)  
}
```

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(154, 248, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 248, 158) }
```

Border

The CSS property to change the border of an element to Yxy 76.4735, 0.3052, 0.4399 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(154, 248, 158) }
```

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

```
.border{ border-color:rgb(154, 248, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 248, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 248, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 248, 158);  
box-shadow:4px 4px 4px 4px rgb(154, 248,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 76.4735, 0.3052, 0.4399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 248, 158) }
```

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

```
.background{ background-color: rgb(154,  
248, 158) }
```

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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