

# Converting Colors

$Yxy(76.4095, 0.3057, 0.4251)$

Have a look what the booklet for  
Yxy(76.4095, 0.3057, 0.4251)  
contains.

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# Color

**Yxy(76.4881, 0.3058, 0.4251)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3F6A7
RGB	163, 246, 167
RGB Percent	64%, 96%, 65%
CMY	0.3611, 0.0352, 0.3451
CMYK	0.34, 0.00, 0.32, 0.04
HSL	123°, 82%, 80%
HSV	123°, 34%, 96%
XYZ	55.0225, 76.4881, 48.4191
YIQ	212.1770, -24.1090, -42.1650

# Conversions

## Conversions Part 2

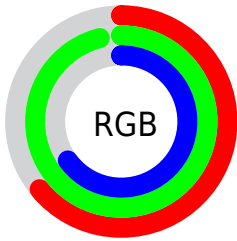
Format	Color
<a href="#">RYB</a>	<a href="#">163, 242, 246</a>
Decimal	<a href="#">10745511</a>
CIELab	<a href="#">90.09, -40.55, 30.25</a>
CIELCh	<a href="#">90, 50.591, 143.279</a>
Yxy	<a href="#">76.4881, 0.3058, 0.4251</a>
Android (android.graphics.Color)	<a href="#">4288935591 (0xFFA3F6A7)</a>
YUV	<a href="#">212.1770, -22.2723, -43.1282</a>
Hunter-Lab	<a href="#">87.4575, -40.7501, 28.3955</a>

# Details

The Yxy color **76.4881, 0.3058, 0.4251** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **52.1707, 0.3199, 0.2487**, and the grayscale version is **66.1156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0634, 0.3093, 0.3623**, and **40.7982, 0.3028, 0.4505** is the 20% darker color. If you saturate the color by 10%, you get **73.3552, 0.3037, 0.4594**, and if you desaturate by 10%, it is **80.2890, 0.3079, 0.3929**.

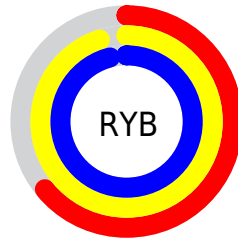
# Distribution



Red (64%)

Green (96%)

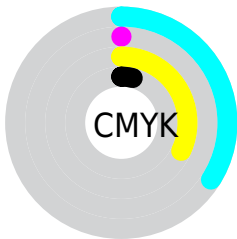
Blue (65%)



Red (64%)

Yellow (95%)

Blue (96%)

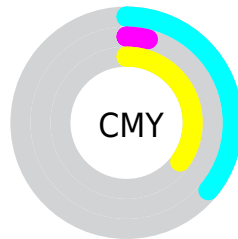


Cyan (34%)

Magenta (0%)

Yellow (32%)

Black (4%)



Cyan (36%)

Magenta (4%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.4881, 0.3058, 0.4251 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 76.4881, 0.3058, 0.4251 by changing the saturation by 10% instead.





 76.4881, 0.3058,  
0.4251

 76.4881, 0.3058,  
0.4251


483.0169, 0.3104,  
0.3785

 56.8328, 0.3044,  
0.4362


 128.4166, 0.3077,  
0.4085

 40.8710, 0.3024,  
0.4502


 161.4587, 0.3084,  
0.4022

 28.2183, 0.2995,  
0.4682

199.7318, 0.3089,  
0.3968

 18.4903, 0.2952,  
0.4924

243.6203, 0.3093,  
0.3921

 11.3026, 0.2882,  
0.5260

293.5087, 0.3097,  
0.3881

 6.2707, 0.2757,  
0.5755


349.7814, 0.3099,


 3.0104, 0.2585,


0.3845

0.6730


412.8226, 0.3102,  
0.3813

 1.1372, 0.0590,  
0.9410

 0.0095, 0.0000,  
1.0000


 76.4881, 0.3058,  
0.4251


 76.4881, 0.3058,  
0.4251


 73.3552, 0.3037,  
0.4594


 80.2890, 0.3079,  
0.3929


 70.8427, 0.3019,  
0.4942

 84.7831, 0.3100,  
0.3638

 68.9122, 0.3004,  
0.5275

 90.0061, 0.3120,  
0.3379

 67.5170, 0.2994,  
0.5565

 94.4032, 0.3131,  
0.3204

■ 66.6030, 0.2990,  
0.5788

■ 66.1047, 0.2992,  
0.5930

■ 65.9499, 0.2994,  
0.5978

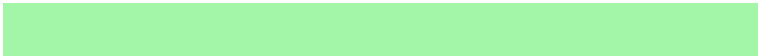
# Harmonies

## Analogous

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



76.4881, 0.3641, 0.4380



76.4881, 0.3058, 0.4251



76.4881, 0.2523, 0.3764

# Triad

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



76.4881, 0.3058, 0.4251



76.4881, 0.2192, 0.2399



76.4881, 0.4180, 0.3289

# Complementary

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



76.4881, 0.3058, 0.4251



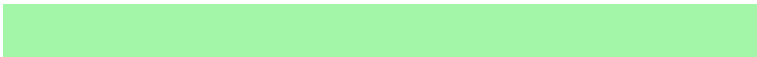
52.1707, 0.3199, 0.2487

# 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.



76.4881, 0.3715, 0.2859



76.4881, 0.3058, 0.4251



76.4881, 0.2556, 0.2365

# Square

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



76.4881, 0.3058, 0.4251



76.4881, 0.2059, 0.2660



76.4881, 0.3105, 0.2532

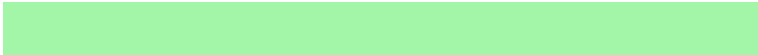


76.4881, 0.4322, 0.3752



# Rectangle

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



76.4881, 0.3058, 0.4251



76.4881, 0.2262, 0.3350



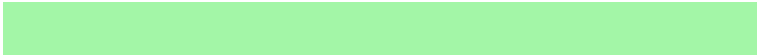
76.4881, 0.3105, 0.2532



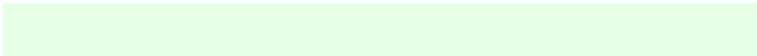
76.4881, 0.4055, 0.3139

# Sweetspot

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



76.4913, 0.3058, 0.4251



94.0158, 0.3108, 0.3536



87.6638, 0.3618, 0.4139



19.9572, 0.3105, 0.3574



0.0000, 0.0000, 0.0000

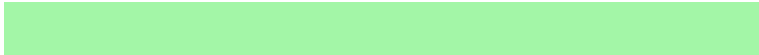


21.4041, 0.3127, 0.3290

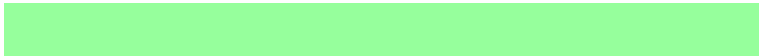


# Same Dimension

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



76.4913, 0.3058, 0.4251



80.4327, 0.3043, 0.4500



78.2183, 0.2843, 0.3748



18.4852, 0.3109, 0.3522



35.2010, 0.2992, 0.5969



3.0984, 0.2970, 0.5892



# Inverse Universe

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



52.1707, 0.3199, 0.2487



50.1110, 0.3217, 0.2321



50.0132, 0.3551, 0.2877



16.7534, 0.3146, 0.3068



13.6333, 0.3336, 0.1611

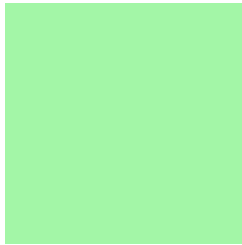


1.2025, 0.3319, 0.1602



# Previews

## White Background



This preview shows how the Yxy color 76.4881, 0.3058, 0.4251 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 76.4881, 0.3058, 0.4251 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

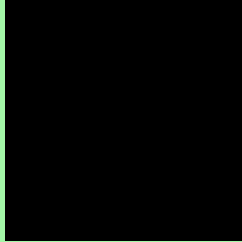
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.4881, 0.3058, 0.4251**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.4881, 0.3058, 0.4251.



This preview shows how white text looks on a background with the Yxy color 76.4881, 0.3058, 0.4251.

# 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

76.4881, 0.3058, 0.4251

### Protanopia

75.3737, 0.3714, 0.3996

### Deuteranopia

75.5972, 0.3606, 0.3598



## Tritanopia

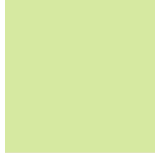
76.1561, 0.2676, 0.3079

# Trichromacy



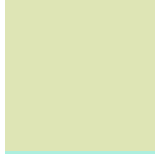
## Original Color

76.4881, 0.3058, 0.4251



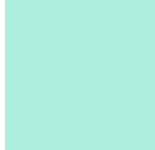
## Protanomaly

75.1472, 0.3453, 0.4099



## Deuteranomaly

74.9044, 0.3391, 0.3821



## Tritanomaly

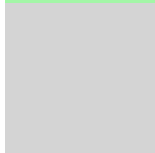
75.8912, 0.2815, 0.3486

# Monochromacy



## Original Color

76.4881, 0.3058, 0.4251



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

68.7662, 0.3098, 0.3619

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.4881, 0.3058, 0.4251 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(163, 246, 167)` looks like.

```
.text, #text, p{  
    color:rgb(163, 246, 167)  
}
```

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(163, 246, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 246, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 76.4881, 0.3058, 0.4251 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(163, 246, 167) }
```

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

```
.border{ border-color:rgb(163, 246, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 246, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 246, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 246, 167);  
box-shadow:4px 4px 4px 4px rgb(163, 246,  
167) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.4881, 0.3058, 0.4251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 246, 167) }
```

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

```
.background{ background-color: rgb(163,  
246, 167) }
```

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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