

# Converting Colors

$Yxy(74.6849, 0.3083, 0.4235)$

Have a look what the booklet for  
Yxy(74.6849, 0.3083, 0.4235)  
contains.

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# Color

**Yxy(74.8171, 0.3082, 0.4243)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5F3A5
RGB	165, 243, 165
RGB Percent	65%, 95%, 65%
CMY	0.3533, 0.0470, 0.3530
CMYK	0.32, 0.00, 0.32, 0.05
HSL	120°, 77%, 80%
HSV	120°, 32%, 95%
XYZ	54.3451, 74.8171, 47.1685
YIQ	210.7860, -21.4500, -40.7940

# Conversions

## Conversions Part 2

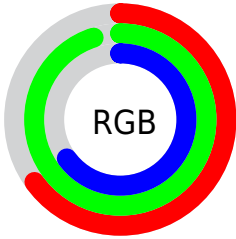
Format	Color
R <sub>Y</sub> B	165, 243, 243
Decimal	10875813
CIE Lab	89.31, -38.91, 30.23
CIE LCh	89, 49.279, 142.156
Yxy	74.8171, 0.3082, 0.4243
Android (android.graphics.Color)	4289065893 (0xFFA5F3A5)
YUV	210.7860, -22.5725, -40.1543
Hunter-Lab	86.4969, -39.2198, 28.2158

# Details

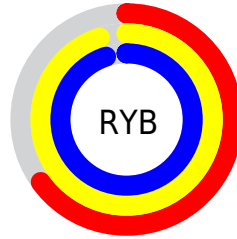
The Yxy color **74.8171, 0.3082, 0.4243** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **52.4061, 0.3165, 0.2491**, and the grayscale version is **65.1447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2169, 0.3122, 0.3654**, and **39.6027, 0.3056, 0.4497** is the 20% darker color. If you saturate the color by 10%, you get **71.6571, 0.3065, 0.4599**, and if you desaturate by 10%, it is **78.6462, 0.3098, 0.3910**.

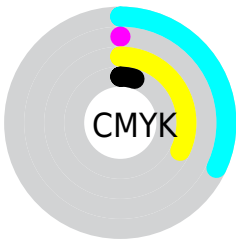
# Distribution



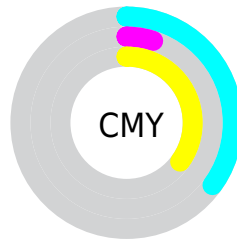
- Red (65%)
- Green (95%)
- Blue (65%)



- Red (65%)
- Yellow (95%)
- Blue (95%)



- Cyan (32%)
- Magenta (0%)
- Yellow (32%)
- Black (5%)




- Cyan (35%)
- Magenta (5%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.8171, 0.3082, 0.4243 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 74.8171, 0.3082, 0.4243 by changing the saturation by 10% instead.




 74.8171, 0.3082,  
0.4243

 74.8171, 0.3082,  
0.4243


477.2887, 0.3117,  
0.3780

 55.4631, 0.3070,  
0.4354

 126.0534, 0.3097,  
0.4078

 39.7726, 0.3053,  
0.4493


 158.7045, 0.3102,  
0.4015

 27.3613, 0.3029,  
0.4674


196.5567, 0.3106,  
0.3961

 17.8447, 0.2990,  
0.4915

239.9945, 0.3109,  
0.3915

 10.8386, 0.2925,  
0.5253

289.4021, 0.3112,  
0.3875

 5.9584, 0.2807,  
0.5751


345.1641, 0.3114,

 2.8198, 0.2670,


0.3839


0.6814


407.6649, 0.3115,  
0.3808


 1.0384, 0.0275,  
0.9725


 0.0000, 0.0000,  
0.0000


 74.8171, 0.3082,  
0.4243


 74.8171, 0.3082,  
0.4243


 71.6571, 0.3065,  
0.4599


 78.6462, 0.3098,  
0.3910


 69.1191, 0.3048,  
0.4960

 83.1697, 0.3112,  
0.3608

 67.1649, 0.3032,  
0.5302

 88.4229, 0.3125,  
0.3342

 65.7480, 0.3018,  
0.5597

 92.5937, 0.3133,  
0.3175

■ 64.8149, 0.3008,  
0.5817

■ 64.3013, 0.3002,  
0.5949

■ 64.1142, 0.3000,  
0.6000

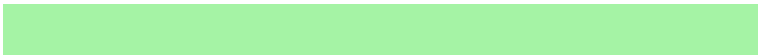
# Harmonies

## Analogous

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



74.8171, 0.3653, 0.4357



74.8171, 0.3082, 0.4243



74.8171, 0.2552, 0.3777

# Triad

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



74.8171, 0.3082, 0.4243



74.8171, 0.2199, 0.2419



74.8171, 0.4148, 0.3274

# Complementary

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



74.8171, 0.3082, 0.4243



52.4061, 0.3165, 0.2491

# 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.



74.8171, 0.3683, 0.2853



74.8171, 0.3082, 0.4243



74.8171, 0.2549, 0.2378

# Square

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



74.8171, 0.3082, 0.4243



74.8171, 0.2076, 0.2686



74.8171, 0.3084, 0.2535



74.8171, 0.4301, 0.3729



# Rectangle

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



74.8171, 0.3082, 0.4243



74.8171, 0.2289, 0.3372



74.8171, 0.3084, 0.2535



74.8171, 0.4021, 0.3126

# Sweetspot

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



74.8203, 0.3082, 0.4243



93.9469, 0.3115, 0.3549



85.8856, 0.3613, 0.4093



19.9407, 0.3113, 0.3589



0.0000, 0.0000, 0.0000

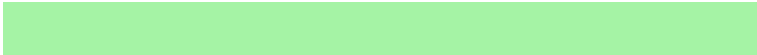


21.4041, 0.3127, 0.3290

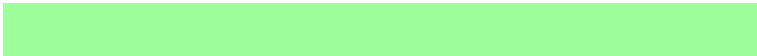


# Same Dimension

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



74.8203, 0.3082, 0.4243



80.9314, 0.3070, 0.4489



76.4621, 0.2870, 0.3754



18.4723, 0.3116, 0.3534



35.1814, 0.3000, 0.5999



3.0922, 0.2999, 0.5998



# Inverse Universe

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



52.4061, 0.3165, 0.2491



52.1001, 0.3173, 0.2326



50.2964, 0.3499, 0.2871



16.7680, 0.3138, 0.3057



14.0019, 0.3212, 0.1543



1.2307, 0.3211, 0.1543



# Previews

## White Background



This preview shows how the Yxy color 74.8171, 0.3082, 0.4243 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 74.8171, 0.3082, 0.4243 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

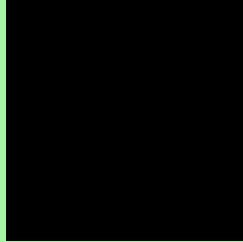
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.8171, 0.3082, 0.4243**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.8171, 0.3082, 0.4243.

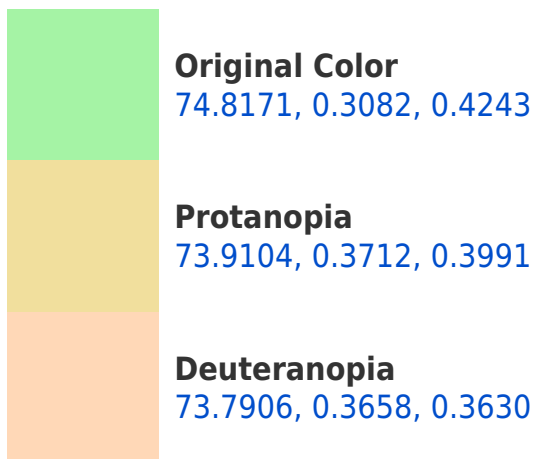


This preview shows how white text looks on a background with the Yxy color 74.8171, 0.3082, 0.4243.

# 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

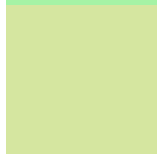
74.5020, 0.2699, 0.3078

# Trichromacy



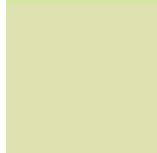
## Original Color

74.8171, 0.3082, 0.4243



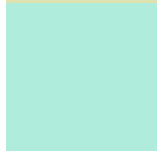
## Protanomaly

73.2778, 0.3459, 0.4083



## Deuteranomaly

73.0569, 0.3430, 0.3846



## Tritanomaly

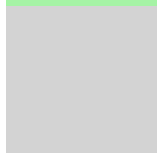
74.2722, 0.2835, 0.3475

# Monochromacy



## Original Color

74.8171, 0.3082, 0.4243



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

68.1397, 0.3111, 0.3632

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.8171, 0.3082, 0.4243 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(165, 243, 165)` looks like.

```
.text, #text, p{  
    color:rgb(165, 243, 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(165, 243, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 243, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 74.8171, 0.3082, 0.4243 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(165, 243, 165) }
```

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

```
.border{ border-color:rgb(165, 243, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 243, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 243, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 243, 165);  
box-shadow:4px 4px 4px 4px rgb(165, 243,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.8171, 0.3082, 0.4243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 243, 165) }
```

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

```
.background{ background-color: rgb(165,  
243, 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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