

# Converting Colors

$Yxy(73.9085, 0.3129, 0.4308)$

Have a look what the booklet for  
Yxy(73.9085, 0.3129, 0.4308)  
contains.

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# Color

**Yxy(74.1884, 0.3134, 0.4316)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7F29E
RGB	167, 242, 158
RGB Percent	65%, 95%, 62%
CMY	0.3448, 0.0510, 0.3803
CMYK	0.31, 0.00, 0.35, 0.05
HSL	114°, 76%, 78%
HSV	114°, 35%, 95%
XYZ	53.8708, 74.1884, 43.8323
YIQ	209.9990, -17.7360, -42.0240

# Conversions

## Conversions Part 2

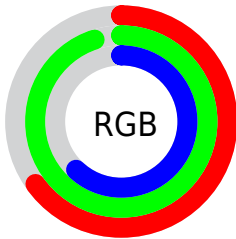
Format	Color
<a href="#">RYB</a>	<a href="#">158, 242, 233</a>
Decimal	<a href="#">11006622</a>
CIELab	<a href="#">89.01, -38.85, 33.38</a>
CIELCh	<a href="#">89, 51.220, 139.332</a>
Yxy	<a href="#">74.1884, 0.3134, 0.4316</a>
Android (android.graphics.Color)	<a href="#">4289196702</a> ( <a href="#">0xFFA7F29E</a> )
YUV	<a href="#">209.9990, -25.6355, -37.7101</a>
Hunter-Lab	<a href="#">86.1327, -39.0912, 30.1206</a>

# Details

The Yxy color **74.1884, 0.3134, 0.4316** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **48.1813, 0.3091, 0.2408**, and the grayscale version is **64.6391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1714, 0.3175, 0.3727**, and **39.1833, 0.3111, 0.4577** is the 20% darker color. If you saturate the color by 10%, you get **71.2789, 0.3128, 0.4665**, and if you desaturate by 10%, it is **77.6609, 0.3136, 0.3984**.

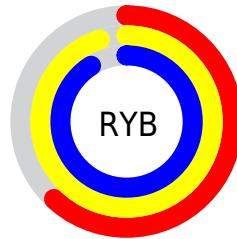
# Distribution



Red (65%)

Green (95%)

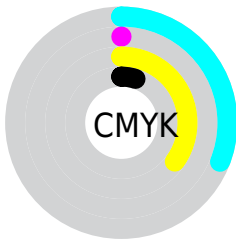
Blue (62%)



Red (62%)

Yellow (95%)

Blue (91%)

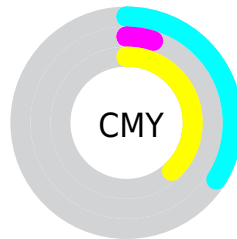


Cyan (31%)

Magenta (0%)

Yellow (35%)

Black (5%)



Cyan (34%)

Magenta (5%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.1884, 0.3134, 0.4316 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 74.1884, 0.3134, 0.4316 by changing the saturation by 10% instead.




 74.1884, 0.3134,  
0.4316

 74.1884, 0.3134,  
0.4316


475.1233, 0.3147,  
0.3816

 54.9483, 0.3126,  
0.4436


 125.1628, 0.3142,  
0.4138

 39.3603, 0.3114,  
0.4586


 157.6659, 0.3144,  
0.4070

 27.0401, 0.3094,  
0.4780


195.3588, 0.3146,  
0.4012

 17.6034, 0.3061,  
0.5039

238.6258, 0.3147,  
0.3962

 10.6656, 0.3000,  
0.5399

287.8514, 0.3147,  
0.3919

 5.8425, 0.2881,  
0.5925


343.4199, 0.3147,

 2.7495, 0.2801,


0.3880


0.7199


405.7157, 0.3147,  
0.3847

 1.0024, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 74.1884, 0.3134,  
0.4316


 74.1884, 0.3134,  
0.4316

 71.2789, 0.3128,  
0.4665

 77.6609, 0.3136,  
0.3984

 68.8938, 0.3118,  
0.5014

 81.7139, 0.3134,  
0.3680

 67.0044, 0.3101,  
0.5340

 86.3758, 0.3130,  
0.3407

 65.5754, 0.3081,  
0.5617

 91.6704, 0.3124,  
0.3167

■ 64.5669, 0.3057,  
0.5823

■ 91.9799, 0.3133,  
0.3165

■ 63.9316, 0.3032,  
0.5945

■ 63.7207, 0.3021,  
0.5983

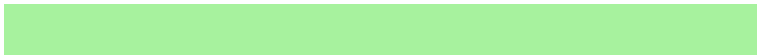
# Harmonies

## Analogous

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



74.1884, 0.3723, 0.4393



74.1884, 0.3134, 0.4316



74.1884, 0.2573, 0.3855

# Triad

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



74.1884, 0.3134, 0.4316



74.1884, 0.2142, 0.2401



74.1884, 0.4158, 0.3227

# Complementary

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



74.1884, 0.3134, 0.4316



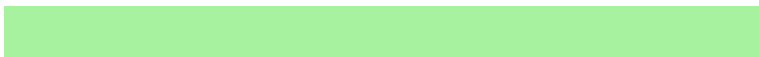
48.1813, 0.3091, 0.2408

# 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.



74.1884, 0.3650, 0.2799



74.1884, 0.3134, 0.4316



74.1884, 0.2482, 0.2339

# Square

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



74.1884, 0.3134, 0.4316



74.1884, 0.2038, 0.2698



74.1884, 0.3023, 0.2484



74.1884, 0.4351, 0.3698



# Rectangle

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



74.1884, 0.3134, 0.4316



74.1884, 0.2288, 0.3434



74.1884, 0.3023, 0.2484



74.1884, 0.4016, 0.3076

# Sweetspot

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



74.1916, 0.3134, 0.4316



94.4026, 0.3132, 0.3548



79.1680, 0.3682, 0.4066



20.0499, 0.3133, 0.3587



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

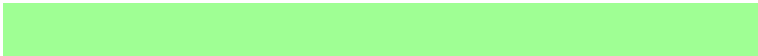


# Same Dimension

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



74.1916, 0.3134, 0.4316



81.0716, 0.3130, 0.4574



74.4968, 0.2904, 0.3922



17.7379, 0.3132, 0.3533



34.2616, 0.3026, 0.5979



2.8771, 0.3083, 0.5934



# Inverse Universe

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



48.1813, 0.3091, 0.2408



47.5039, 0.3078, 0.2224



47.9768, 0.3448, 0.2736



15.9398, 0.3121, 0.3056



11.3158, 0.2939, 0.1393

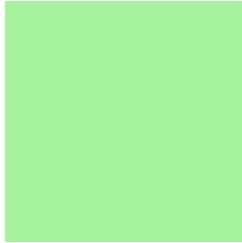


0.9659, 0.2977, 0.1414



# Previews

## White Background



This preview shows how the Yxy color 74.1884, 0.3134, 0.4316 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 74.1884, 0.3134, 0.4316 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 74.1884, 0.3134, 0.4316**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.1884, 0.3134, 0.4316.

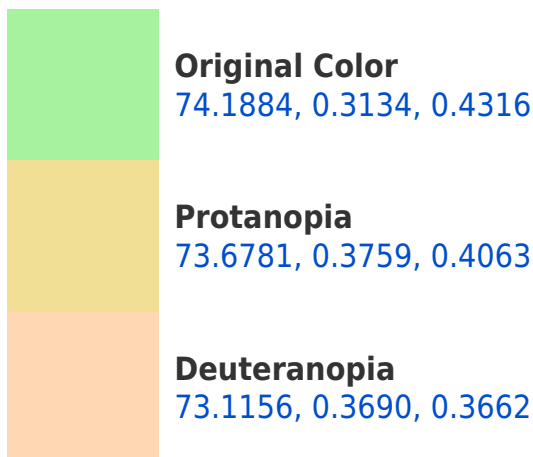


This preview shows how white text looks on a background with the Yxy color 74.1884, 0.3134, 0.4316.

# 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

74.0587, 0.2720, 0.3089

# Trichromacy



## Original Color

74.1884, 0.3134, 0.4316



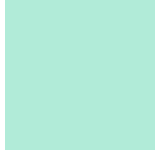
## Protanomaly

73.1897, 0.3511, 0.4159



## Deuteranomaly

72.4787, 0.3473, 0.3891



## Tritanomaly

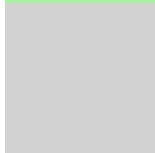
73.7216, 0.2869, 0.3511

# Monochromacy



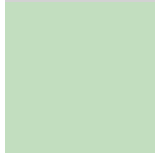
## Original Color

74.1884, 0.3134, 0.4316



## Achromatopsia

64.4480, 0.3127, 0.3290



## Achromatomaly

67.4735, 0.3131, 0.3657

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.1884, 0.3134, 0.4316 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(167, 242, 158)` looks like.

```
.text, #text, p{  
    color:rgb(167, 242, 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(167, 242, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 242, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 74.1884, 0.3134, 0.4316 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(167, 242, 158) }
```

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

```
.border{ border-color:rgb(167, 242, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 242, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 242, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 242, 158); box-shadow:4px 4px 4px 4px rgb(167, 242, 158) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.1884, 0.3134, 0.4316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 242, 158) }
```

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

```
.background{ background-color: rgb(167,  
242, 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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