

# Converting Colors

Yxy(74.8714, 0.3068, 0.4143)

Have a look what the booklet for  
Yxy(74.8714, 0.3068, 0.4143)  
contains.

<b>Yxy(74.9178, 0.3069, 0.4138)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(74.9178, 0.3069, 0.4138)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9F2AC
RGB	169, 242, 172
RGB Percent	66%, 95%, 67%
CMY	0.3372, 0.0510, 0.3254
CMYK	0.30, 0.00, 0.29, 0.05
HSL	122°, 74%, 81%
HSV	122°, 30%, 95%
XYZ	55.5637, 74.9178, 50.5668
YIQ	212.1930, -21.0380, -37.2460

# Conversions

## Conversions Part 2

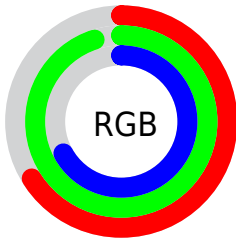
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 239, 242
Decimal	11137708
CIELab	89.35, -36.04, 26.76
CIElCh	89, 44.890, 143.400
Yxy	74.9178, 0.3069, 0.4138
Android (android.graphics.Color)	4289327788 (0xFFA9F2AC)
YUV	212.1930, -19.8151, -37.8803
Hunter-Lab	86.5551, -36.8839, 25.9504

# Details

The Yxy color **74.9178, 0.3069, 0.4138** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.4915, 0.3186, 0.2567**, and the grayscale version is **66.1223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.2902, 0.3102, 0.3567**, and **39.6072, 0.3039, 0.4359** is the 20% darker color. If you saturate the color by 10%, you get **71.6719, 0.3049, 0.4477**, and if you desaturate by 10%, it is **78.8211, 0.3089, 0.3824**.

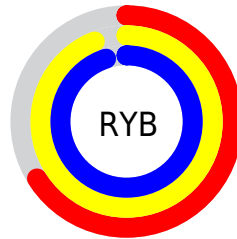
# Distribution



Red (66%)

Green (95%)

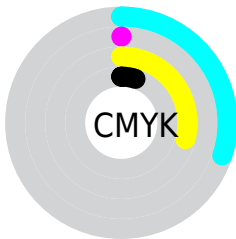
Blue (67%)



Red (66%)

Yellow (94%)

Blue (95%)

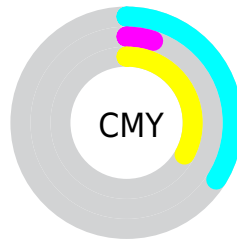


Cyan (30%)

Magenta (0%)

Yellow (29%)

Black (5%)



Cyan (34%)

Magenta (5%)


Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.9178, 0.3069, 0.4138 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 74.9178, 0.3069, 0.4138 by changing the saturation by 10% instead.





 74.9178, 0.3069,  
0.4138

 74.9178, 0.3069,  
0.4138


477.6350, 0.3107,  
0.3727

 55.5456, 0.3057,  
0.4236


 126.1960, 0.3085,  
0.3992

 39.8387, 0.3041,  
0.4359


158.8707, 0.3090,  
0.3936

 27.4128, 0.3018,  
0.4519


196.7484, 0.3094,  
0.3889

 17.8835, 0.2983,  
0.4733

240.2135, 0.3098,  
0.3848

 10.8664, 0.2926,  
0.5032

289.6502, 0.3101,  
0.3812

 5.9770, 0.2825,  
0.5478


345.4432, 0.3103,

 2.8311, 0.2667,


0.3780


407.9766, 0.3105,  
0.3752


0.6305


 1.0442, 0.0910,  
0.9090


 0.0000, 0.0000,  
0.0000


 74.9178, 0.3069,  
0.4138


 74.9178, 0.3069,  
0.4138


 71.6719, 0.3049,  
0.4477

 78.8211, 0.3089,  
0.3824

 69.0384, 0.3029,  
0.4828

 83.4050, 0.3109,  
0.3542

 66.9817, 0.3013,  
0.5170

 88.7033, 0.3127,  
0.3294

 65.4584, 0.3001,  
0.5478

 91.9852, 0.3133,  
0.3165

■ 64.4193, 0.2994,  
0.5726

■ 63.8057, 0.2993,  
0.5895

■ 63.5270, 0.2995,  
0.5982

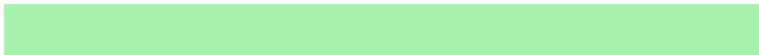
# Harmonies

## Analogous

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



74.9178, 0.3593, 0.4262



74.9178, 0.3069, 0.4138



74.9178, 0.2586, 0.3710

# Triad

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



74.9178, 0.3069, 0.4138



74.9178, 0.2283, 0.2486



74.9178, 0.4068, 0.3298

# Complementary

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



74.9178, 0.3069, 0.4138



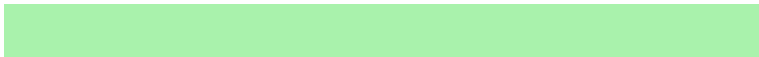
53.4915, 0.3186, 0.2567

# 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.



74.9178, 0.3656, 0.2904



74.9178, 0.3069, 0.4138



74.9178, 0.2617, 0.2453

# Square

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



74.9178, 0.3069, 0.4138



74.9178, 0.2161, 0.2728



74.9178, 0.3113, 0.2604



74.9178, 0.4196, 0.3718



# Rectangle

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



74.9178, 0.3069, 0.4138



74.9178, 0.2348, 0.3346



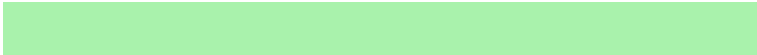
74.9178, 0.3113, 0.2604



74.9178, 0.3956, 0.3160

# Sweetspot

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



74.9210, 0.3069, 0.4138



94.5669, 0.3111, 0.3512



84.8202, 0.3566, 0.4049



20.0666, 0.3108, 0.3551



0.0000, 0.0000, 0.0000

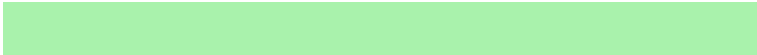


21.4041, 0.3127, 0.3290

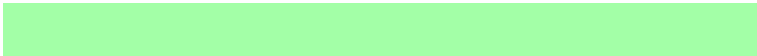


# Same Dimension

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



74.9210, 0.3069, 0.4138



82.1165, 0.3057, 0.4337



76.4931, 0.2871, 0.3691



17.6669, 0.3110, 0.3524



34.1315, 0.2993, 0.5974



2.8431, 0.2974, 0.5906



# Inverse Universe

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



53.4915, 0.3186, 0.2567



54.5051, 0.3199, 0.2428



51.5746, 0.3491, 0.2923



16.0195, 0.3144, 0.3067



13.2780, 0.3315, 0.1600

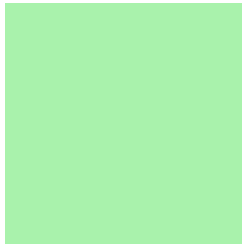


1.1081, 0.3299, 0.1591



# Previews

## White Background



This preview shows how the Yxy color 74.9178, 0.3069, 0.4138 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

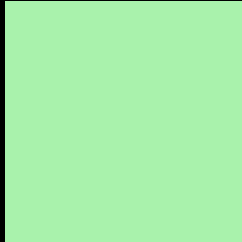
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.9178, 0.3069, 0.4138 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

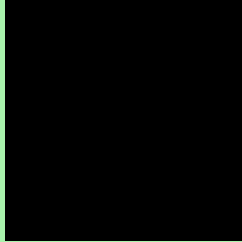
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.9178, 0.3069, 0.4138**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.9178, 0.3069, 0.4138.

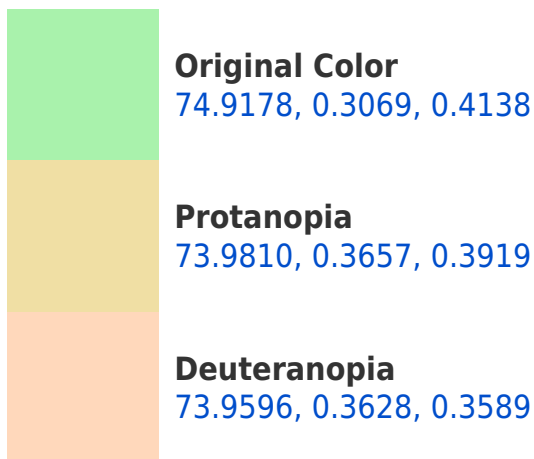


This preview shows how white text looks on a background with the Yxy color 74.9178, 0.3069, 0.4138.

# 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

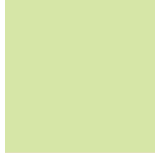
74.6826, 0.2716, 0.3090

# Trichromacy



## Original Color

74.9178, 0.3069, 0.4138



## Protanomaly

73.6798, 0.3421, 0.4001



## Deuteranomaly

73.0751, 0.3407, 0.3766



## Tritanomaly

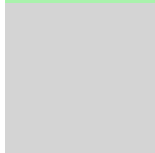
74.7298, 0.2842, 0.3451

# Monochromacy



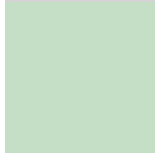
## Original Color

74.9178, 0.3069, 0.4138



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

68.5423, 0.3106, 0.3594

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.9178, 0.3069, 0.4138 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(169, 242, 172)` looks like.

```
.text, #text, p{  
    color:rgb(169, 242, 172)  
}
```

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(169, 242, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 242, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 74.9178, 0.3069, 0.4138 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(169, 242, 172) }
```

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

```
.border{ border-color:rgb(169, 242, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 242, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 242, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 242, 172);  
box-shadow:4px 4px 4px 4px rgb(169, 242,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.9178, 0.3069, 0.4138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 242, 172) }
```

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

```
.background{ background-color: rgb(169,  
242, 172) }
```

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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