

# Converting Colors

$Yxy(75.2136, 0.3002, 0.4048)$

Have a look what the booklet for  
Yxy(75.2136, 0.3002, 0.4048)  
contains.

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**Color**

**Yxy(75.3958, 0.3000, 0.4054)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5F3B4
RGB	165, 243, 180
RGB Percent	65%, 95%, 71%
CMY	0.3532, 0.0470, 0.2941
CMYK	0.32, 0.00, 0.26, 0.05
HSL	132°, 77%, 80%
HSV	132°, 32%, 95%
XYZ	55.7936, 75.3958, 54.7894
YIQ	212.4960, -26.2650, -36.1290

# Conversions

## Conversions Part 2

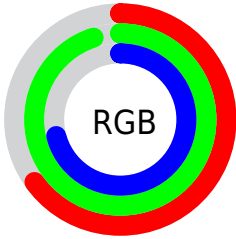
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">165, 230, 243</a>
Decimal	<a href="#">10875828</a>
CIELab	<a href="#">89.58, -36.43, 22.95</a>
CIELCh	<a href="#">90, 43.056, 147.784</a>
Yxy	<a href="#">75.3958, 0.3000, 0.4054</a>
Android (android.graphics.Color)	<a href="#">4289065908 (0xFFA5F3B4)</a>
YUV	<a href="#">212.4960, -16.0205, -41.6540</a>
Hunter-Lab	<a href="#">86.8308, -37.2575, 23.3701</a>

# Details

The Yxy color **75.3958, 0.3000, 0.4054** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **51.5398, 0.3288, 0.2631**, and the grayscale version is **66.2987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1057, 0.3032, 0.3485**, and **39.9651, 0.2956, 0.4247** is the 20% darker color. If you saturate the color by 10%, you get **72.2938, 0.2965, 0.4344**, and if you desaturate by 10%, it is **79.1122, 0.3038, 0.3787**.

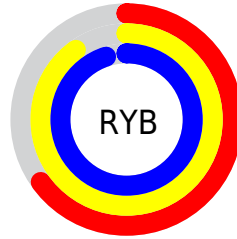
# Distribution



Red (65%)

Green (95%)

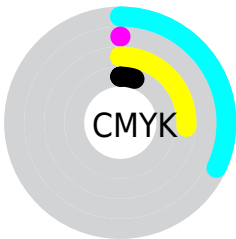
Blue (71%)



Red (65%)

Yellow (90%)

Blue (95%)

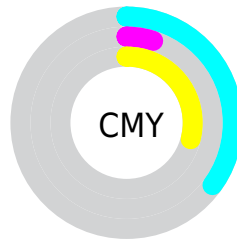


Cyan (32%)

Magenta (0%)

Yellow (26%)

Black (5%)



Cyan (35%)

Magenta (5%)


Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.3958, 0.3000, 0.4054 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 75.3958, 0.3000, 0.4054 by changing the saturation by 10% instead.




 75.3958, 0.3000,  
0.4054


 75.3958, 0.3000,  
0.4054


479.2769, 0.3068,  
0.3685

 55.9372, 0.2982,  
0.4142

 126.8725, 0.3025,  
0.3923

 40.1526, 0.2959,  
0.4253


 159.6593, 0.3035,  
0.3873

 27.6575, 0.2928,  
0.4396


197.6578, 0.3042,  
0.3830

 18.0677, 0.2883,  
0.4588

241.2521, 0.3049,  
0.3793

 10.9986, 0.2815,  
0.4858

290.8268, 0.3055,  
0.3761

 6.0659, 0.2704,  
0.5263


346.7663, 0.3060,

 2.8852, 0.2503,


0.3732


0.5942


409.4548, 0.3064,  
0.3707


 1.0721, 0.0996,  
0.9004


 0.0000, 0.0000,  
0.0000


 75.3958, 0.3000,  
0.4054

 75.3958, 0.3000,  
0.4054


 72.2938, 0.2965,  
0.4344

 79.1122, 0.3038,  
0.3787


 69.7639, 0.2937,  
0.4648

 83.4639, 0.3079,  
0.3546

 67.7732, 0.2919,  
0.4953

 88.4824, 0.3119,  
0.3332

 66.2817, 0.2911,  
0.5244

 92.5925, 0.3133,  
0.3175

■ 65.2434, 0.2917,  
0.5502

■ 64.6035, 0.2935,  
0.5710

■ 64.3169, 0.2954,  
0.5833

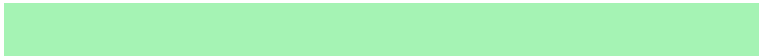
# Harmonies

## Analogous

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



75.3958, 0.3505, 0.4222



75.3958, 0.3000, 0.4054



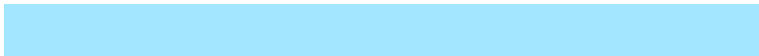
75.3958, 0.2552, 0.3617

# Triad

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



75.3958, 0.3000, 0.4054



75.3958, 0.2351, 0.2501



75.3958, 0.4064, 0.3360

# Complementary

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



75.3958, 0.3000, 0.4054



51.5398, 0.3288, 0.2631

# 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.



75.3958, 0.3703, 0.2971



75.3958, 0.3000, 0.4054



75.3958, 0.2700, 0.2495

# Square

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



75.3958, 0.3000, 0.4054



75.3958, 0.2202, 0.2706



75.3958, 0.3191, 0.2665

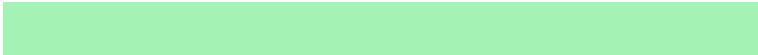


75.3958, 0.4143, 0.3761



# Rectangle

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



75.3958, 0.3000, 0.4054



75.3958, 0.2341, 0.3270



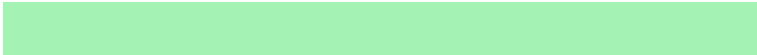
75.3958, 0.3191, 0.2665



75.3958, 0.3971, 0.3225

# Sweetspot

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



75.3990, 0.3000, 0.4054



94.2251, 0.3087, 0.3498



83.4354, 0.3511, 0.4122



20.0074, 0.3081, 0.3530



0.0000, 0.0000, 0.0000

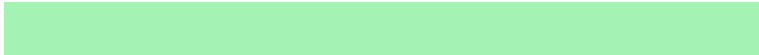


21.4041, 0.3127, 0.3290

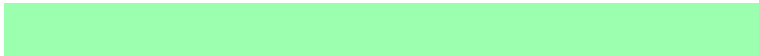


# Same Dimension

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



75.3990, 0.3000, 0.4054



81.6282, 0.2975, 0.4254



77.1809, 0.2793, 0.3578



18.5243, 0.3089, 0.3487



35.3080, 0.2948, 0.5812



3.1170, 0.2888, 0.5597



# Inverse Universe

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



51.5398, 0.3288, 0.2631



50.9311, 0.3333, 0.2490



49.6439, 0.3632, 0.3022



16.7102, 0.3168, 0.3101



12.6671, 0.3767, 0.1849

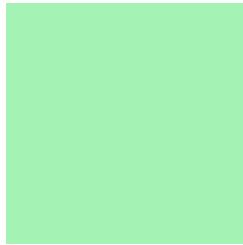


1.1271, 0.3684, 0.1803



# Previews

## White Background



This preview shows how the Yxy color 75.3958, 0.3000, 0.4054 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 75.3958, 0.3000, 0.4054 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

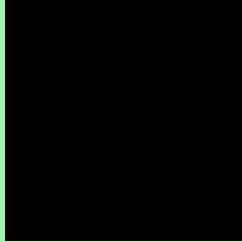
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.3958, 0.3000, 0.4054**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.3958, 0.3000, 0.4054.

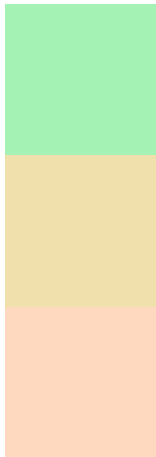


This preview shows how white text looks on a background with the Yxy color 75.3958, 0.3000, 0.4054.

# 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**

75.3958, 0.3000, 0.4054

**Protanopia**

74.7768, 0.3605, 0.3855

**Deuteranopia**

74.6473, 0.3596, 0.3558



## Tritanopia

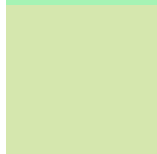
75.4576, 0.2685, 0.3089

# Trichromacy



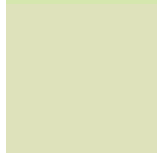
## Original Color

75.3958, 0.3000, 0.4054



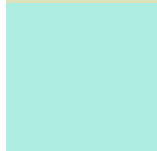
## Protanomaly

74.3540, 0.3367, 0.3933



## Deuteranomaly

73.5102, 0.3356, 0.3722



## Tritanomaly

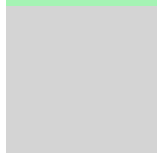
75.0580, 0.2797, 0.3416

# Monochromacy



## Original Color

75.3958, 0.3000, 0.4054



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

68.5476, 0.3080, 0.3559

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.3958, 0.3000, 0.4054 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(165, 243, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 243, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 75.3958, 0.3000, 0.4054 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, 180) }
```

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

```
.border{ border-color:rgb(165, 243, 180) }
```

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, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 243, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 243, 180);  
box-shadow:4px 4px 4px 4px rgb(165, 243,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.3958, 0.3000, 0.4054 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, 180) }
```

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

```
.background{ background-color: rgb(165,  
243, 180) }
```

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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