

# Converting Colors

$Yxy(75.4975, 0.2946, 0.3772)$

Have a look what the booklet for  
Yxy(75.4975, 0.2946, 0.3772)  
contains.

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# Color

**Yxy(75.4424, 0.2948, 0.3775)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEF0C7
RGB	174, 240, 199
RGB Percent	68%, 94%, 78%
CMY	0.3179, 0.0588, 0.2196
CMYK	0.28, 0.00, 0.17, 0.06
HSL	143°, 69%, 81%
HSV	143°, 28%, 94%
XYZ	58.9150, 75.4424, 65.4900
YIQ	215.5920, -26.1750, -26.7430

# Conversions

## Conversions Part 2

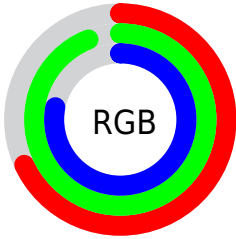
Format	Color
<b>RYB</b>	174, 222, 240
Decimal	11464903
CIELab	89.60, -28.85, 13.24
CIElCh	90, 31.749, 155.345
Yxy	75.4424, 0.2948, 0.3775
Android (android.graphics.Color)	4289654983 (0xFFAEF0C7)
YUV	215.5920, -8.1799, -36.4762
Hunter-Lab	86.8576, -30.9252, 16.0961

# Details

The Yxy color **75.4424, 0.2948, 0.3775** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.6827, 0.3363, 0.2851**, and the grayscale version is **68.4417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **40.3184, 0.2904, 0.3903** is the 20% darker color. If you saturate the color by 10%, you get **72.2733, 0.2891, 0.3987**, and if you desaturate by 10%, it is **79.1780, 0.3011, 0.3582**.

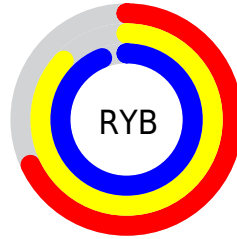
# Distribution



Red (68%)

Green (94%)

Blue (78%)



Red (68%)

Yellow (87%)

Blue (94%)

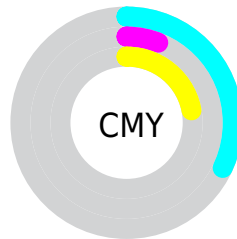


Cyan (28%)

Magenta (0%)

Yellow (17%)

Black (6%)



Cyan (32%)

Magenta (6%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.4424, 0.2948, 0.3775 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 75.4424, 0.2948, 0.3775 by changing the saturation by 10% instead.




 75.4424, 0.2948,  
0.3775

 75.4424, 0.2948,  
0.3775


479.4368, 0.3034,  
0.3544

 55.9754, 0.2927,  
0.3829


 126.9384, 0.2979,  
0.3693

 40.1832, 0.2902,  
0.3898


159.7362, 0.2990,  
0.3662

 27.6814, 0.2868,  
0.3985


197.7464, 0.3000,  
0.3635

 18.0856, 0.2823,  
0.4102

241.3533, 0.3009,  
0.3612

 11.0115, 0.2760,  
0.4266

290.9414, 0.3016,  
0.3592

 6.0746, 0.2663,  
0.4512


346.8951, 0.3023,


 2.8905, 0.2502,


0.3574


0.4917


409.5988, 0.3029,  
0.3558


 1.0748, 0.1897,  
0.6669


 0.0000, 0.0000,  
0.0000


 75.4424, 0.2948,  
0.3775


 75.4424, 0.2948,  
0.3775


 72.2733, 0.2891,  
0.3987

 79.1780, 0.3011,  
0.3582


 69.6331, 0.2842,  
0.4216

 83.4969, 0.3077,  
0.3408

 67.4942, 0.2805,  
0.4456

 88.4266, 0.3144,  
0.3254

 65.8227, 0.2784,  
0.4700

 90.8096, 0.3134,  
0.3146

■ 64.5803, 0.2781,  
0.4940

■ 63.7220, 0.2797,  
0.5167

■ 63.1889, 0.2829,  
0.5370

■ 63.0855, 0.2838,  
0.5416

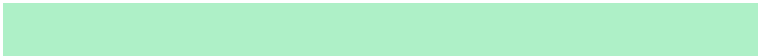
# Harmonies

## Analogous

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



75.4424, 0.3324, 0.3957



75.4424, 0.2948, 0.3775



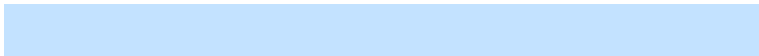
75.4424, 0.2633, 0.3438

# Triad

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



75.4424, 0.2948, 0.3775



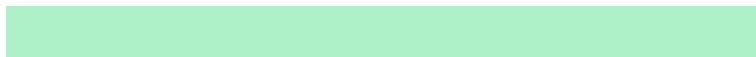
75.4424, 0.2599, 0.2682



75.4424, 0.3851, 0.3432

# Complementary

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



75.4424, 0.2948, 0.3775



53.6827, 0.3363, 0.2851

# 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.



75.4424, 0.3634, 0.3126



75.4424, 0.2948, 0.3775



75.4424, 0.2898, 0.2708

# Square

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



75.4424, 0.2948, 0.3775



75.4424, 0.2442, 0.2807



75.4424, 0.3278, 0.2868

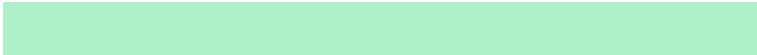


75.4424, 0.3858, 0.3725



# Rectangle

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



75.4424, 0.2948, 0.3775



75.4424, 0.2495, 0.3192



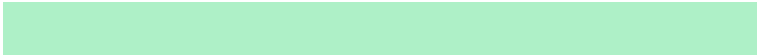
75.4424, 0.3278, 0.2868



75.4424, 0.3800, 0.3328

# Sweetspot

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



75.4455, 0.2948, 0.3775



95.5452, 0.3074, 0.3416



79.9504, 0.3371, 0.4019



20.2822, 0.3064, 0.3441



0.0000, 0.0000, 0.0000

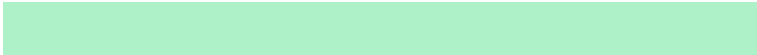


21.4041, 0.3127, 0.3290

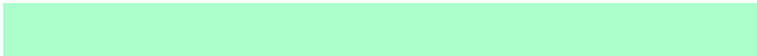


# Same Dimension

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



75.4455, 0.2948, 0.3775



84.4617, 0.2915, 0.3891



77.1031, 0.2772, 0.3389



17.7556, 0.3064, 0.3440



34.5526, 0.2830, 0.5386



2.8932, 0.2756, 0.5121



# Inverse Universe

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



53.6827, 0.3363, 0.2851



55.6615, 0.3425, 0.2759



52.1873, 0.3647, 0.3194



15.9238, 0.3196, 0.3144



11.3552, 0.4455, 0.2228

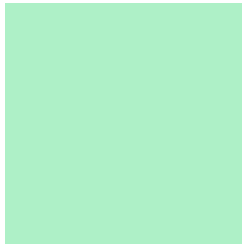


0.9639, 0.4247, 0.2113



# Previews

## White Background



This preview shows how the Yxy color 75.4424, 0.2948, 0.3775 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

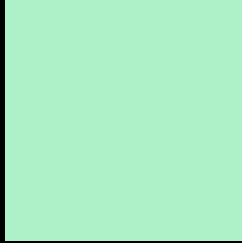
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.4424, 0.2948, 0.3775 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

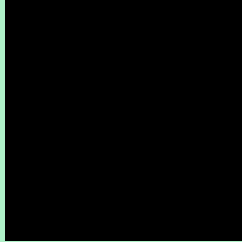
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

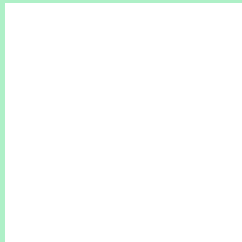
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.4424, 0.2948, 0.3775**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.4424, 0.2948, 0.3775.

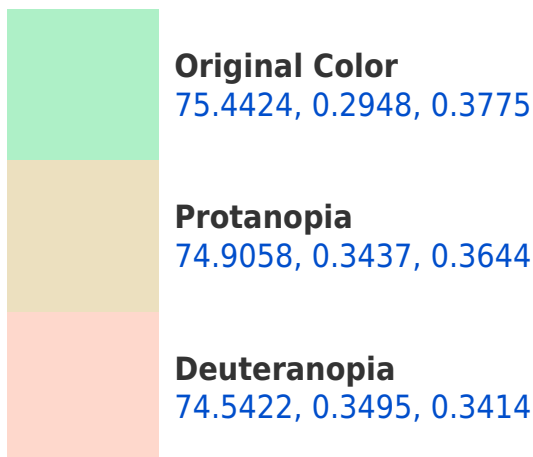


This preview shows how white text looks on a background with the Yxy color 75.4424, 0.2948, 0.3775.

# 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

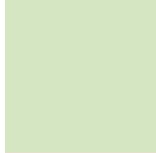
75.4332, 0.2717, 0.3090

# Trichromacy



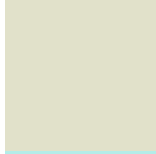
## Original Color

75.4424, 0.2948, 0.3775



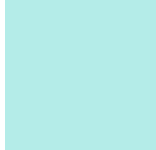
## Protanomaly

74.6348, 0.3240, 0.3693



## Deuteranomaly

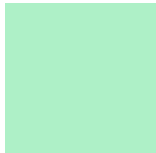
74.1222, 0.3279, 0.3541



## Tritanomaly

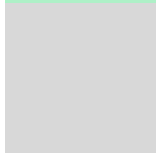
75.5204, 0.2799, 0.3334

# Monochromacy



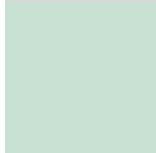
## Original Color

75.4424, 0.2948, 0.3775



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

70.9211, 0.3057, 0.3461

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.4424, 0.2948, 0.3775 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(174, 240, 199)` looks like.

```
.text, #text, p{  
    color:rgb(174, 240, 199)  
}
```

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(174, 240, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 240, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 75.4424, 0.2948, 0.3775 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(174, 240, 199) }
```

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

```
.border{ border-color:rgb(174, 240, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 240, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 240, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 240, 199);  
box-shadow:4px 4px 4px 4px rgb(174, 240,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.4424, 0.2948, 0.3775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 240, 199) }
```

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

```
.background{ background-color: rgb(174,  
240, 199) }
```

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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