

# Converting Colors

$Yxy(77.7095, 0.2944, 0.3908)$

Have a look what the booklet for  
Yxy(77.7095, 0.2944, 0.3908)  
contains.

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# Color

**Yxy(77.4799, 0.2947, 0.3909)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8F5C1
RGB	168, 245, 193
RGB Percent	66%, 96%, 76%
CMY	0.3415, 0.0391, 0.2432
CMYK	0.31, 0.00, 0.21, 0.04
HSL	140°, 79%, 81%
HSV	140°, 31%, 96%
XYZ	58.4122, 77.4799, 62.3169
YIQ	216.0490, -29.2000, -32.4960

# Conversions

## Conversions Part 2

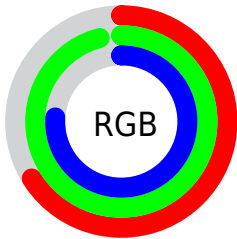
Format	Color
<b>RYB</b>	168, 226, 245
Decimal	11072961
CIELab	90.54, -34.13, 17.64
CIELCh	91, 38.422, 152.669
Yxy	77.4799, 0.2947, 0.3909
Android (android.graphics.Color)	4289263041 (0xFFA8F5C1)
YUV	216.0490, -11.3632, -42.1390
Hunter-Lab	88.0227, -35.5864, 19.6407

# Details

The Yxy color **77.4799, 0.2947, 0.3909** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.5581, 0.3371, 0.2744**, and the grayscale version is **68.7882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4297, 0.2973, 0.3340**, and **41.3412, 0.2898, 0.4067** is the 20% darker color. If you saturate the color by 10%, you get **74.3468, 0.2898, 0.4149**, and if you desaturate by 10%, it is **81.2086, 0.3002, 0.3689**.

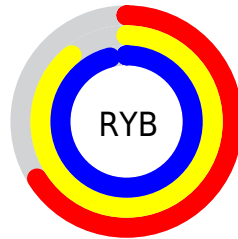
# Distribution



Red (66%)

Green (96%)

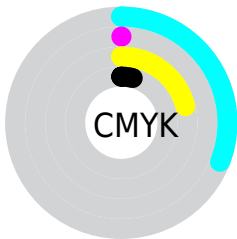
Blue (76%)



Red (66%)

Yellow (89%)

Blue (96%)

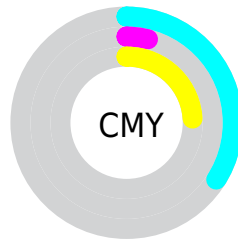


Cyan (31%)

Magenta (0%)

Yellow (21%)

Black (4%)



Cyan (34%)

Magenta (4%)


Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.4799, 0.2947, 0.3909 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 77.4799, 0.2947, 0.3909 by changing the saturation by 10% instead.




 77.4799, 0.2947,  
0.3909

 77.4799, 0.2947,  
0.3909

486.3987, 0.3036,  
0.3613

 57.6468, 0.2925,  
0.3979

 129.8167, 0.2979,  
0.3805

 41.5248, 0.2898,  
0.4066


163.0892, 0.2991,  
0.3764

 28.7294, 0.2862,  
0.4179


201.6103, 0.3001,  
0.3730

 18.8762, 0.2814,  
0.4329

245.7644, 0.3010,  
0.3700

 11.5809, 0.2744,  
0.4540

295.9359, 0.3018,  
0.3674

 6.4590, 0.2637,  
0.4854


352.5092, 0.3024,


 3.1261, 0.2452,


0.3652


415.8687, 0.3030,  
0.3631


0.5367


 1.1979, 0.1826,  
0.7926


 0.0600, 0.0000,  
1.0000


 77.4799, 0.2947,  
0.3909


 77.4799, 0.2947,  
0.3909


 74.3468, 0.2898,  
0.4149


 81.2086, 0.3002,  
0.3689


 71.7683, 0.2859,  
0.4404

 85.5520, 0.3060,  
0.3491

 69.7134, 0.2832,  
0.4667

 90.5403, 0.3119,  
0.3314

 68.1441, 0.2821,  
0.4929

 93.7973, 0.3132,  
0.3195

■ 67.0168, 0.2827,  
0.5177

■ 66.2795, 0.2850,  
0.5400

■ 65.8912, 0.2879,  
0.5564

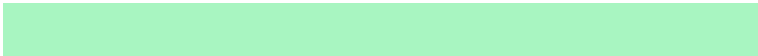
# Harmonies

## Analogous

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



77.4799, 0.3396, 0.4104



77.4799, 0.2947, 0.3909



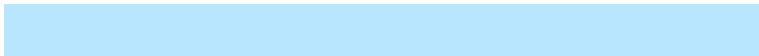
77.4799, 0.2565, 0.3506

# Triad

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



77.4799, 0.2947, 0.3909



77.4799, 0.2475, 0.2574



77.4799, 0.3984, 0.3418

# Complementary

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



77.4799, 0.2947, 0.3909



52.5581, 0.3371, 0.2744

# 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.



77.4799, 0.3702, 0.3061



77.4799, 0.2947, 0.3909



77.4799, 0.2814, 0.2593

# Square

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



77.4799, 0.2947, 0.3909



77.4799, 0.2309, 0.2732



77.4799, 0.3263, 0.2768

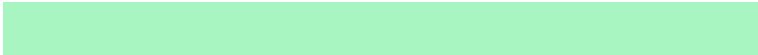


77.4799, 0.4013, 0.3771



# Rectangle

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



77.4799, 0.2947, 0.3909



77.4799, 0.2393, 0.3204



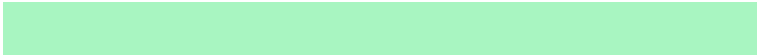
77.4799, 0.3263, 0.2768



77.4799, 0.3915, 0.3296

# Sweetspot

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



77.4831, 0.2947, 0.3909



94.9463, 0.3074, 0.3445



83.4520, 0.3431, 0.4125



20.1593, 0.3065, 0.3472



0.0000, 0.0000, 0.0000

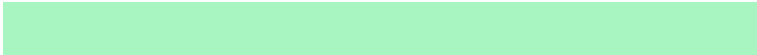


21.4041, 0.3127, 0.3290

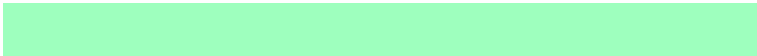


# Same Dimension

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



77.4831, 0.2947, 0.3909



82.4993, 0.2914, 0.4066



79.3967, 0.2746, 0.3450



18.5608, 0.3071, 0.3454



35.5127, 0.2871, 0.5535



3.1393, 0.2801, 0.5284



# Inverse Universe

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



52.5581, 0.3371, 0.2744



51.1028, 0.3438, 0.2628



50.7726, 0.3715, 0.3138



16.6713, 0.3188, 0.3132



11.9551, 0.4242, 0.2111

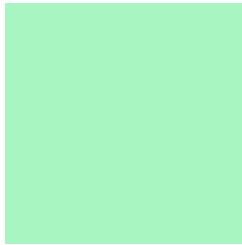


1.0696, 0.4080, 0.2021



# Previews

## White Background



This preview shows how the Yxy color 77.4799, 0.2947, 0.3909 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

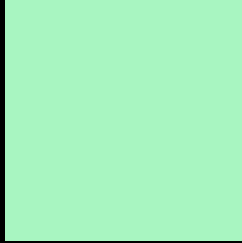
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.4799, 0.2947, 0.3909 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 77.4799, 0.2947, 0.3909**

## Background



This preview shows how black text looks on a background with the Yxy color 77.4799, 0.2947, 0.3909.

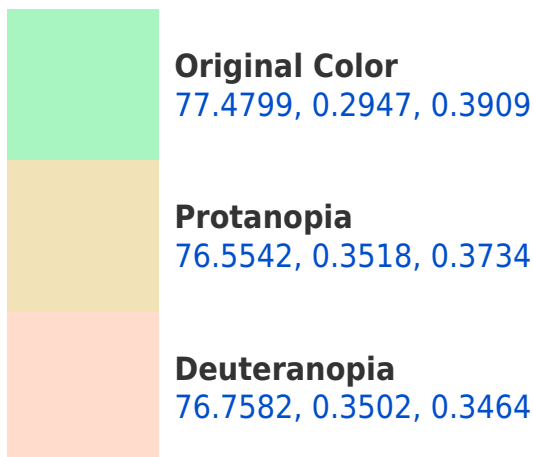


This preview shows how white text looks on a background with the Yxy color 77.4799, 0.2947, 0.3909.

# 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

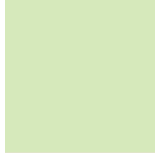
77.0347, 0.2683, 0.3080

# Trichromacy



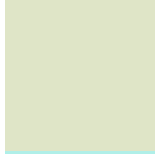
## Original Color

77.4799, 0.2947, 0.3909



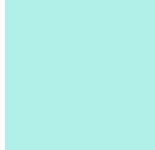
## Protanomaly

76.1618, 0.3288, 0.3803



## Deuteranomaly

75.8501, 0.3280, 0.3618



## Tritanomaly

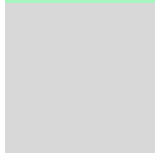
76.7893, 0.2778, 0.3369

# Monochromacy



## Original Color

77.4799, 0.2947, 0.3909



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

71.6344, 0.3055, 0.3507

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.4799, 0.2947, 0.3909 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(168, 245, 193)` looks like.

```
.text, #text, p{  
    color:rgb(168, 245, 193)  
}
```

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(168, 245, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 245, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 77.4799, 0.2947, 0.3909 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(168, 245, 193) }
```

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

```
.border{ border-color:rgb(168, 245, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 245, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 245, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 245, 193);  
box-shadow:4px 4px 4px 4px rgb(168, 245,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.4799, 0.2947, 0.3909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 245, 193) }
```

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

```
.background{ background-color: rgb(168,  
245, 193) }
```

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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