

# Converting Colors

$Y_{xy}(128.8080, 0.3086, 0.4706)$

Have a look what the booklet for  
Yxy(128.8080, 0.3086, 0.4706)  
contains.

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# Color

**Yxy(84.2793, 0.3118, 0.4224)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4FFAE
RGB	180, 255, 174
RGB Percent	71%, 100%, 68%
CMY	0.2944, 0.0000, 0.3176
CMYK	0.29, 0.00, 0.32, 0.00
HSL	116°, 100%, 84%
HSV	116°, 32%, 100%
XYZ	62.2119, 84.2793, 53.0337
YIQ	223.3410, -18.6990, -41.0910

# Conversions

## Conversions Part 2

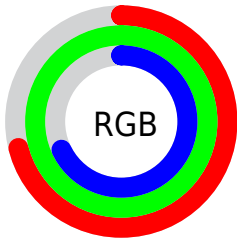
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 255, 249
Decimal	11861934
CIELab	93.57, -38.17, 31.56
CIElCh	94, 49.523, 140.415
Yxy	84.2793, 0.3118, 0.4224
Android (android.graphics.Color)	4290052014 (0xFFB4FFAE)
YUV	223.3410, -24.3251, -38.0101
Hunter-Lab	91.8038, -39.6940, 30.0117

# Details

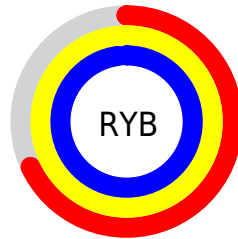
The Yxy color **84.2793, 0.3118, 0.4224** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **57.6452, 0.3117, 0.2486**, and the grayscale version is **74.2194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2377, 0.3159, 0.3541**, and **46.1286, 0.3101, 0.4455** is the 20% darker color. If you saturate the color by 10%, you get **80.7728, 0.3109, 0.4573**, and if you desaturate by 10%, it is **88.4438, 0.3123, 0.3896**.

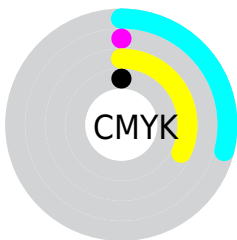
# Distribution



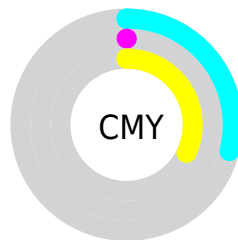
- Red (71%)
- Green (100%)
- Blue (68%)



- Red (68%)
- Yellow (100%)
- Blue (98%)



- Cyan (29%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)




- Cyan (29%)
- Magenta (0%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.2793, 0.3118, 0.4224 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 84.2793, 0.3118, 0.4224 by changing the saturation by 10% instead.





 84.2793, 0.3118,  
0.4224

 84.2793, 0.3118,  
0.4224

509.2403, 0.3136,  
0.3780

 63.2461, 0.3111,  
0.4328


 139.3658, 0.3127,  
0.4068

 46.0403, 0.3100,  
0.4456


174.1879, 0.3129,  
0.4008

 32.2776, 0.3083,  
0.4621


214.3750, 0.3131,  
0.3956

 21.5736, 0.3056,  
0.4837

260.3115, 0.3133,  
0.3912

 13.5440, 0.3010,  
0.5132

312.3820, 0.3134,  
0.3873

 7.8042, 0.2926,  
0.5556

370.9706, 0.3135,

 3.9699, 0.2771,

0.3838

0.6232

436.4619, 0.3135,  
0.3808

1.6567, 0.2305,  
0.7695

0.3954, 0.0000,  
1.0000

84.2793, 0.3118,  
0.4224

84.2793, 0.3118,  
0.4224

80.7728, 0.3109,  
0.4573

88.4438, 0.3123,  
0.3896

77.9105, 0.3097,  
0.4929

93.3202, 0.3126,  
0.3598

75.6466, 0.3082,  
0.5268

98.9321, 0.3127,  
0.3333

73.9387, 0.3063,  
0.5563

100.0000, 0.3127,  
0.3290

■ 72.7384, 0.3043,  
0.5790

■ 71.9891, 0.3024,  
0.5932

■ 71.6553, 0.3012,  
0.5991

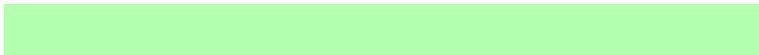
# Harmonies

## Analogous

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



84.2793, 0.3668, 0.4315



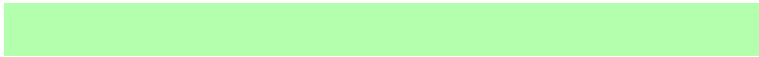
84.2793, 0.3118, 0.4224



84.2793, 0.2598, 0.3792

# Triad

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



84.2793, 0.3118, 0.4224



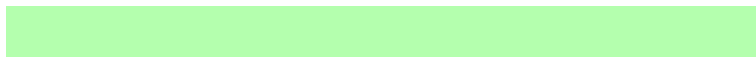
84.2793, 0.2214, 0.2456



84.2793, 0.4094, 0.3251

# Complementary

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



84.2793, 0.3118, 0.4224



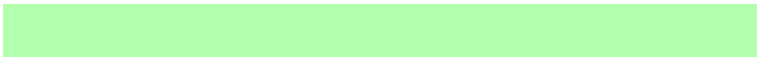
57.6452, 0.3117, 0.2486

# 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.



84.2793, 0.3633, 0.2845



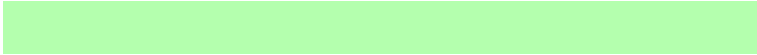
84.2793, 0.3118, 0.4224



84.2793, 0.2543, 0.2402

# Square

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



84.2793, 0.3118, 0.4224



84.2793, 0.2108, 0.2730



84.2793, 0.3053, 0.2544

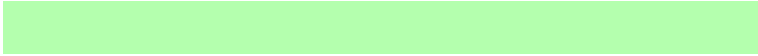


84.2793, 0.4263, 0.3694



# Rectangle

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



84.2793, 0.3118, 0.4224



84.2793, 0.2335, 0.3405



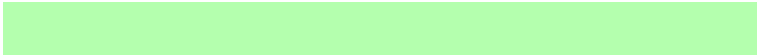
84.2793, 0.3053, 0.2544



84.2793, 0.3966, 0.3108

# Sweetspot

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



84.2722, 0.3118, 0.4224



94.2555, 0.3127, 0.3549



91.6050, 0.3627, 0.4026



20.0146, 0.3126, 0.3588



0.0000, 0.0000, 0.0000

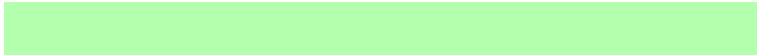


21.4041, 0.3127, 0.3290

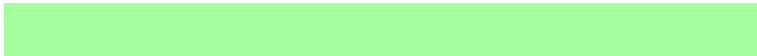


# Same Dimension

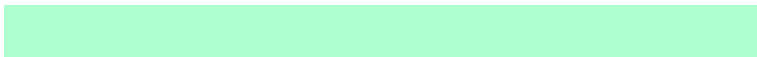
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2722, 0.3118, 0.4224



82.0130, 0.3113, 0.4440



85.0610, 0.2906, 0.3829



20.2317, 0.3127, 0.3535



37.4642, 0.3015, 0.5988



3.6688, 0.3050, 0.5960



# Inverse Universe

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



57.6452, 0.3117, 0.2486



51.6458, 0.3113, 0.2331



56.7675, 0.3437, 0.2809



18.2286, 0.3126, 0.3055



13.1473, 0.3025, 0.1440

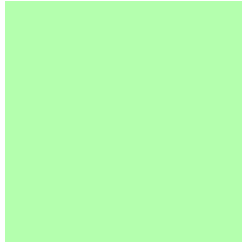


1.2995, 0.3048, 0.1453



# Previews

## White Background



This preview shows how the Yxy color 84.2793, 0.3118, 0.4224 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

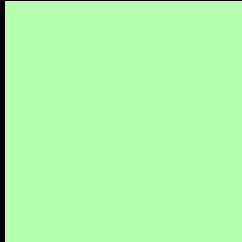
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.2793, 0.3118, 0.4224 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

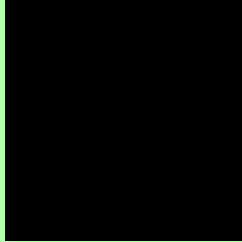
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.2793, 0.3118, 0.4224**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.2793, 0.3118, 0.4224.

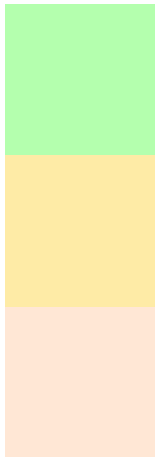


This preview shows how white text looks on a background with the Yxy color 84.2793, 0.3118, 0.4224.

# 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

84.2793, 0.3118, 0.4224

### Protanopia

83.2407, 0.3711, 0.3987

### Deuteranopia

83.2159, 0.3413, 0.3471



## Tritanopia

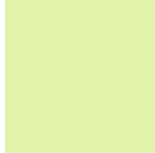
83.6859, 0.2847, 0.3143

# Trichromacy



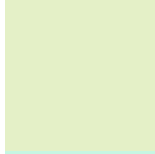
## Original Color

84.2793, 0.3118, 0.4224



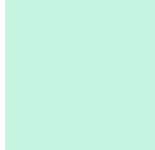
## Protanomaly

82.6997, 0.3476, 0.4072



## Deuteranomaly

82.9377, 0.3301, 0.3726



## Tritanomaly

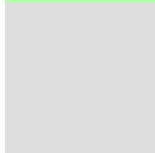
83.4083, 0.2943, 0.3508

# Monochromacy



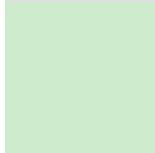
## Original Color

84.2793, 0.3118, 0.4224



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

77.0898, 0.3125, 0.3625

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.2793, 0.3118, 0.4224 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(180, 255, 174)` looks like.

```
.text, #text, p{  
    color:rgb(180, 255, 174)  
}
```

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(180, 255, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 255, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 84.2793, 0.3118, 0.4224 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(180, 255, 174) }
```

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

```
.border{ border-color:rgb(180, 255, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 255, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 255, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 255, 174);  
box-shadow:4px 4px 4px 4px rgb(180, 255,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.2793, 0.3118, 0.4224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 255, 174) }
```

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

```
.background{ background-color: rgb(180,  
255, 174) }
```

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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