

# Converting Colors

$Y_{xy}(122.2946, 0.3189, 0.4578)$

Have a look what the booklet for  
Yxy(122.2946, 0.3189, 0.4578)  
contains.

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# Color

**Yxy(87.0327, 0.3243, 0.4176)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9FFAF
RGB	201, 255, 175
RGB Percent	79%, 100%, 69%
CMY	0.2117, 0.0000, 0.3137
CMYK	0.21, 0.00, 0.31, 0.00
HSL	100°, 100%, 84%
HSV	100°, 31%, 100%
XYZ	67.5879, 87.0327, 53.7910
YIQ	229.7340, -6.5040, -36.3280

# Conversions

## Conversions Part 2

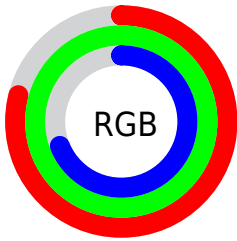
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 255, 229
Decimal	13238191
CIELab	94.75, -31.09, 32.85
CIELCh	95, 45.230, 133.430
Yxy	87.0327, 0.3243, 0.4176
Android (android.graphics.Color)	4291428271 (0xFFC9FFAF)
YUV	229.7340, -26.9839, -25.1997
Hunter-Lab	93.2913, -33.9397, 31.1178

# Details

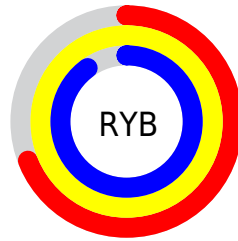
The Yxy color **87.0327, 0.3243, 0.4176** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **54.5333, 0.2960, 0.2458**, and the grayscale version is **79.1333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5495, 0.3268, 0.3522**, and **47.9043, 0.3255, 0.4385** is the 20% darker color. If you saturate the color by 10%, you get **83.8727, 0.3269, 0.4499**, and if you desaturate by 10%, it is **90.6532, 0.3210, 0.3868**.

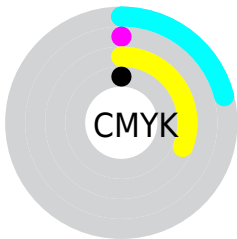
# Distribution



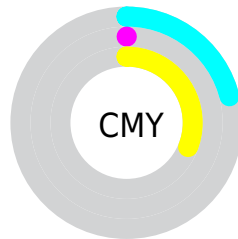
- Red (79%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (90%)



- Cyan (21%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.0327, 0.3243, 0.4176 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 87.0327, 0.3243, 0.4176 by changing the saturation by 10% instead.



 87.0327, 0.3243,  
0.4176

 87.0327, 0.3243,  
0.4176


518.3303, 0.3203,  
0.3761

 65.5223, 0.3249,  
0.4271

 143.2097, 0.3232,  
0.4031

 47.8847, 0.3254,  
0.4389


178.6451, 0.3227,  
0.3975

 33.7356, 0.3258,  
0.4538


219.4909, 0.3222,  
0.3927

 22.6905, 0.3257,  
0.4732

266.1315, 0.3218,  
0.3885

 14.3652, 0.3248,  
0.4993

318.9514, 0.3213,  
0.3848

 8.3751, 0.3217,  
0.5361


378.3349, 0.3210,


 4.3359, 0.3138,


0.3816


0.5923


444.6664, 0.3206,  
0.3787


 1.8632, 0.2986,  
0.7014


 0.5261, 0.0000,  
1.0000


 87.0327, 0.3243,  
0.4176


 87.0327, 0.3243,  
0.4176


 83.8727, 0.3269,  
0.4499


 90.6532, 0.3210,  
0.3868

 81.1475, 0.3284,  
0.4824

 94.7461, 0.3172,  
0.3583

 78.8382, 0.3286,  
0.5135

 99.3308, 0.3133,  
0.3324

 76.9219, 0.3272,  
0.5412

100.0000, 0.3127,  
0.3290

■ 75.3730, 0.3242,  
0.5636

■ 74.1622, 0.3197,  
0.5794

■ 73.3560, 0.3152,  
0.5880

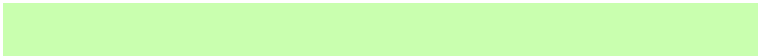
# Harmonies

## Analogous

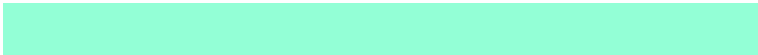
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0327, 0.3727, 0.4192



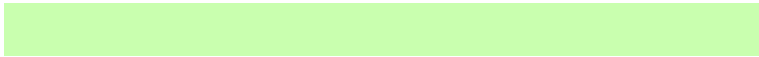
87.0327, 0.3243, 0.4176



87.0327, 0.2751, 0.3850

# Triad

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



87.0327, 0.3243, 0.4176



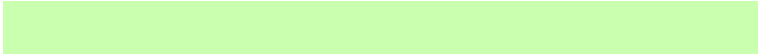
87.0327, 0.2252, 0.2573



87.0327, 0.3922, 0.3168

# Complementary

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



87.0327, 0.3243, 0.4176



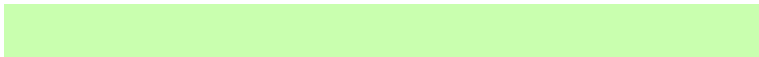
54.5333, 0.2960, 0.2458

# Split Complementary

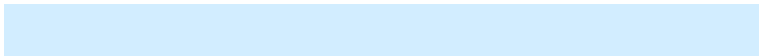
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.0327, 0.3467, 0.2810



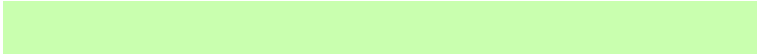
87.0327, 0.3243, 0.4176



87.0327, 0.2510, 0.2474

# Square

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



87.0327, 0.3243, 0.4176



87.0327, 0.2206, 0.2874



87.0327, 0.2944, 0.2563

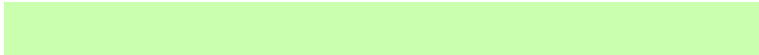


87.0327, 0.4146, 0.3572



# Rectangle

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



87.0327, 0.3243, 0.4176



87.0327, 0.2483, 0.3520



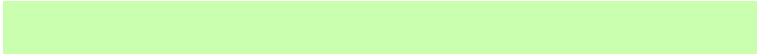
87.0327, 0.2944, 0.2563



87.0327, 0.3789, 0.3040

# Sweetspot

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



87.0348, 0.3243, 0.4176



95.7894, 0.3163, 0.3519



80.0247, 0.3679, 0.3833



20.3653, 0.3169, 0.3558



0.0000, 0.0000, 0.0000

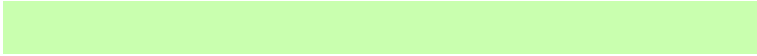


21.4041, 0.3127, 0.3290

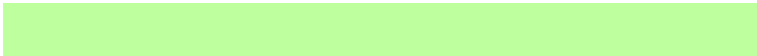


# Same Dimension

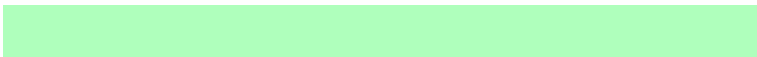
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0348, 0.3243, 0.4176



84.8897, 0.3261, 0.4389



84.2787, 0.3014, 0.4060



20.4549, 0.3165, 0.3532



38.4014, 0.3162, 0.5871



3.7952, 0.3247, 0.5804



# Inverse Universe

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



54.5333, 0.2960, 0.2458



47.4730, 0.2914, 0.2272



58.3093, 0.3267, 0.2626



17.9870, 0.3086, 0.3052



8.4436, 0.2401, 0.1096

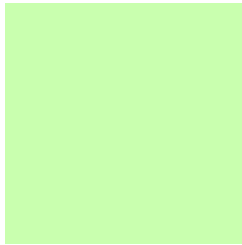


0.8813, 0.2494, 0.1148



# Previews

## White Background



This preview shows how the Yxy color 87.0327, 0.3243, 0.4176 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 87.0327, 0.3243, 0.4176 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

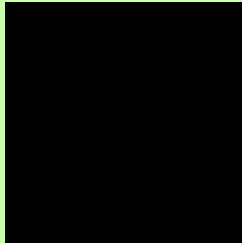
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 87.0327, 0.3243, 0.4176**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.0327, 0.3243, 0.4176.

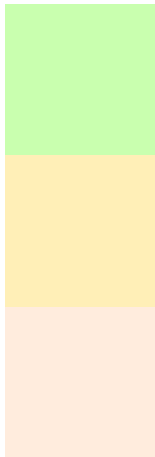


This preview shows how white text looks on a background with the Yxy color 87.0327, 0.3243, 0.4176.

# 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

87.0327, 0.3243, 0.4176

### Protanopia

86.4119, 0.3596, 0.3853

### Deuteranopia

86.4714, 0.3353, 0.3439



## Tritanopia

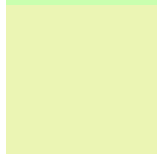
86.5716, 0.2938, 0.3157

# Trichromacy



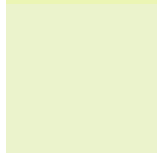
## Original Color

87.0327, 0.3243, 0.4176



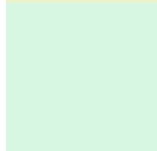
## Protanomaly

86.2623, 0.3459, 0.3970



## Deuteranomaly

86.1230, 0.3314, 0.3696



## Tritanomaly

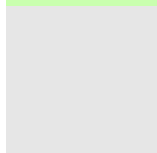
86.6114, 0.3054, 0.3512

# Monochromacy



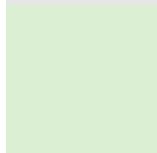
## Original Color

87.0327, 0.3243, 0.4176



## Achromatopsia

79.1298, 0.3127, 0.3290



## Achromatomaly

81.4462, 0.3172, 0.3603

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.0327, 0.3243, 0.4176 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(201, 255, 175)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 175)  
}
```

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(201, 255, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 87.0327, 0.3243, 0.4176 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(201, 255, 175) }
```

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

```
.border{ border-color:rgb(201, 255, 175) }
```

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

Here you see how a box with a 4 pixel rgb(201, 255, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 175);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.0327, 0.3243, 0.4176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 175) }
```

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

```
.background{ background-color: rgb(201,  
255, 175) }
```

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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