

# Converting Colors

$Yxy(87.7027, 0.3264, 0.3887)$

Have a look what the booklet for  
Yxy(87.7027, 0.3264, 0.3887)  
contains.

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# Color

**Yxy(87.4819, 0.3264, 0.3889)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DCFAC2
RGB	220, 250, 194
RGB Percent	86%, 98%, 76%
CMY	0.1375, 0.0195, 0.2393
CMYK	0.12, 0.00, 0.22, 0.02
HSL	92°, 85%, 87%
HSV	92°, 22%, 98%
XYZ	73.4227, 87.4819, 64.0424
YIQ	234.6460, 0.0960, -23.7760

# Conversions

## Conversions Part 2

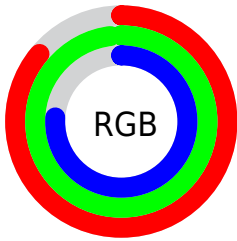
Format	Color
<a href="#">RYB</a>	<a href="#">194, 250, 224</a>
Decimal	<a href="#">14482114</a>
CIELab	<a href="#">94.94, -19.42, 23.71</a>
CIELCh	<a href="#">95, 30.650, 129.327</a>
Yxy	<a href="#">87.4819, 0.3264, 0.3889</a>
Android (android.graphics.Color)	<a href="#">4292672194</a> ( <a href="#">0xFFDCFAC2</a> )
YUV	<a href="#">234.6460, -20.0385, -12.8445</a>
Hunter-Lab	<a href="#">93.5318, -23.5575, 24.8756</a>

# Details

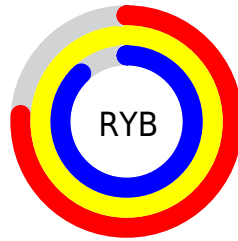
The Yxy color **87.4819, 0.3264, 0.3889** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.3363, 0.2960, 0.2697**, and the grayscale version is **82.9434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.7450, 0.3150, 0.3328**, and **48.0327, 0.3294, 0.4024** is the 20% darker color. If you saturate the color by 10%, you get **84.4452, 0.3319, 0.4187**, and if you desaturate by 10%, it is **90.8833, 0.3204, 0.3608**.

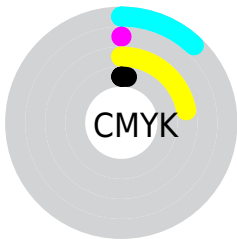
# Distribution



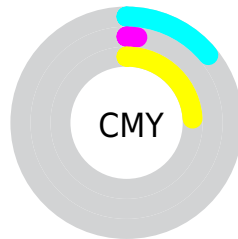
- Red (86%)
- Green (98%)
- Blue (76%)



- Red (76%)
- Yellow (98%)
- Blue (88%)



- Cyan (12%)
- Magenta (0%)
- Yellow (22%)
- Black (2%)




- Cyan (14%)
- Magenta (2%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.4819, 0.3264, 0.3889 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 87.4819, 0.3264, 0.3889 by changing the saturation by 10% instead.





 87.4819, 0.3264,  
0.3889

 87.4819, 0.3264,  
0.3889

519.8051, 0.3208,  
0.3612

 65.8941, 0.3275,  
0.3952

 143.8356, 0.3246,  
0.3793

 48.1864, 0.3288,  
0.4029


179.3703, 0.3238,  
0.3756

 33.9745, 0.3303,  
0.4127


220.3228, 0.3232,  
0.3724

 22.8740, 0.3320,  
0.4253

267.0774, 0.3226,  
0.3696

 14.5005, 0.3339,  
0.4424

320.0185, 0.3221,  
0.3671

 8.4696, 0.3358,  
0.4665

379.5306, 0.3216,

 4.3969, 0.3368,

0.3649

0.5028

445.9980, 0.3212,  
0.3630

■ 1.8980, 0.3553,  
0.5994

■ 0.5471, 0.0774,  
0.9226

■ 87.4819, 0.3264,  
0.3889

■ 87.4819, 0.3264,  
0.3889

■ 84.4452, 0.3319,  
0.4187

■ 90.8833, 0.3204,  
0.3608

■ 81.7484, 0.3366,  
0.4494

■ 94.6506, 0.3142,  
0.3349

■ 79.3810, 0.3401,  
0.4798

■ 96.8653, 0.3129,  
0.3243

■ 77.3275, 0.3419,  
0.5084

■ 75.5707, 0.3416,  
0.5337

■ 74.0914, 0.3392,  
0.5540

■ 72.8671, 0.3347,  
0.5684

■ 72.0853, 0.3305,  
0.5758

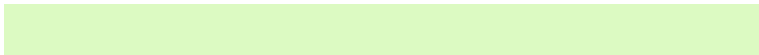
# Harmonies

## Analogous

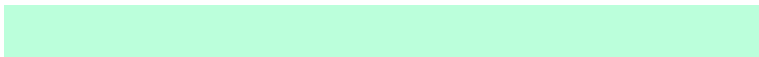
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4819, 0.3583, 0.3890



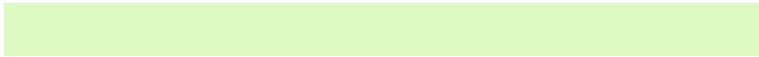
87.4819, 0.3264, 0.3889



87.4819, 0.2920, 0.3698

# Triad

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



87.4819, 0.3264, 0.3889



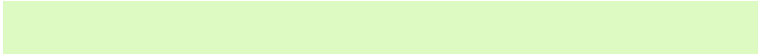
87.4819, 0.2505, 0.2822



87.4819, 0.3628, 0.3176

# Complementary

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



87.4819, 0.3264, 0.3889



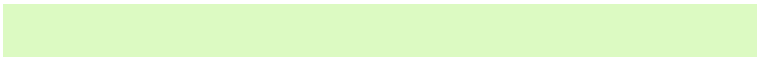
61.3363, 0.2960, 0.2697

# Split Complementary

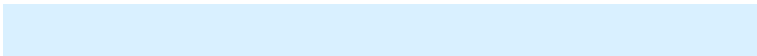
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4819, 0.3313, 0.2927



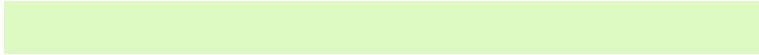
87.4819, 0.3264, 0.3889



87.4819, 0.2670, 0.2724

# Square

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



87.4819, 0.3264, 0.3889



87.4819, 0.2494, 0.3057



87.4819, 0.2961, 0.2765

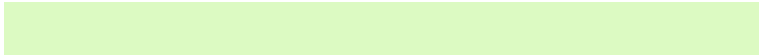


87.4819, 0.3804, 0.3462

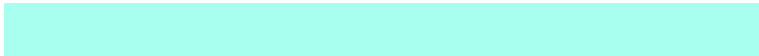


# Rectangle

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



87.4819, 0.3264, 0.3889



87.4819, 0.2723, 0.3494



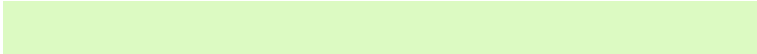
87.4819, 0.2961, 0.2765



87.4819, 0.3534, 0.3086

# Sweetspot

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



87.4857, 0.3264, 0.3889



97.1310, 0.3171, 0.3465



77.4638, 0.3521, 0.3599



20.7390, 0.3174, 0.3481



0.0000, 0.0000, 0.0000

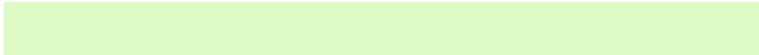


21.4041, 0.3127, 0.3290

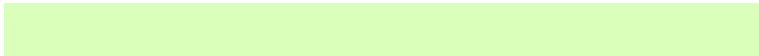


# Same Dimension

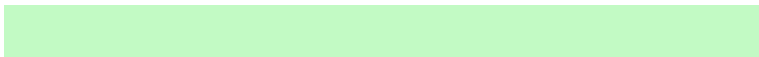
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4857, 0.3264, 0.3889



89.9833, 0.3290, 0.4025



83.8308, 0.3087, 0.3899



19.7032, 0.3186, 0.3530



38.3121, 0.3316, 0.5749



3.6107, 0.3408, 0.5676



# Inverse Universe

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



61.3363, 0.2960, 0.2697



58.1063, 0.2918, 0.2565



65.6902, 0.3167, 0.2749



17.1018, 0.3064, 0.3051



6.4448, 0.2095, 0.0928

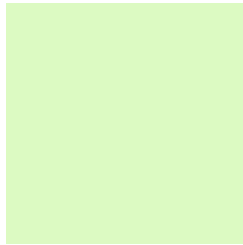


0.6600, 0.2220, 0.0996



# Previews

## White Background



This preview shows how the Yxy color 87.4819, 0.3264, 0.3889 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

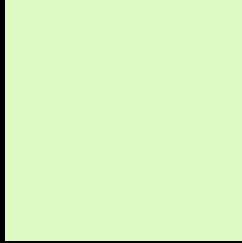
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.4819, 0.3264, 0.3889 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

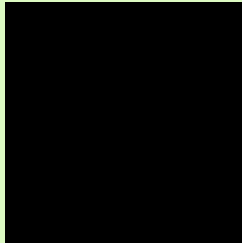
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

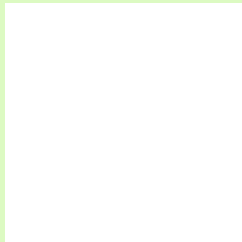
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.4819, 0.3264, 0.3889**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.4819, 0.3264, 0.3889.

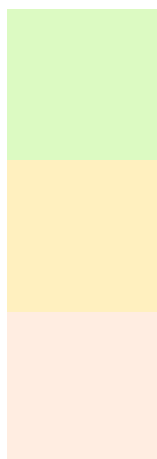


This preview shows how white text looks on a background with the Yxy color 87.4819, 0.3264, 0.3889.

# 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

87.4819, 0.3264, 0.3889

### Protanopia

87.3418, 0.3542, 0.3781

### Deuteranopia

87.2646, 0.3325, 0.3409



## Tritanopia

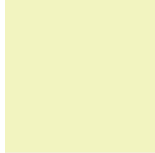
87.4542, 0.2993, 0.3150

# Trichromacy



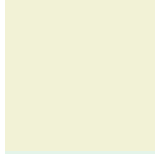
## Original Color

87.4819, 0.3264, 0.3889



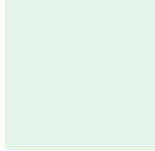
## Protanomaly

87.3844, 0.3435, 0.3825



## Deuteranomaly

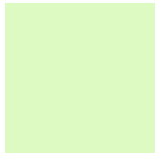
87.2365, 0.3300, 0.3576



## Tritanomaly

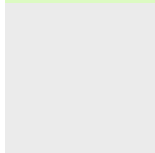
87.0785, 0.3090, 0.3403

# Monochromacy



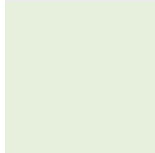
## Original Color

87.4819, 0.3264, 0.3889



## Achromatopsia

83.0770, 0.3127, 0.3290



## Achromatomaly

84.3105, 0.3184, 0.3499

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.4819, 0.3264, 0.3889 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(220, 250, 194)` looks like.

```
.text, #text, p{  
    color:rgb(220, 250, 194)  
}
```

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(220, 250, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 250, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 87.4819, 0.3264, 0.3889 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(220, 250, 194) }
```

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

```
.border{ border-color:rgb(220, 250, 194) }
```

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

Here you see how a box with a 4 pixel rgb(220, 250, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 250, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 250, 194);  
box-shadow:4px 4px 4px 4px rgb(220, 250,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.4819, 0.3264, 0.3889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 250, 194) }
```

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

```
.background{ background-color: rgb(220,  
250, 194) }
```

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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