

# Converting Colors

$Yxy(89.2583, 0.3274, 0.3786)$

Have a look what the booklet for  
Yxy(89.2583, 0.3274, 0.3786)  
contains.

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# Color

**Yxy(89.2935, 0.3276, 0.3792)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E5FACA
RGB	229, 250, 202
RGB Percent	90%, 98%, 79%
CMY	0.1022, 0.0195, 0.2079
CMYK	0.08, 0.00, 0.19, 0.02
HSL	86°, 83%, 89%
HSV	86°, 19%, 98%
XYZ	77.1428, 89.2935, 69.0423
YIQ	238.2490, 2.8920, -19.3800

# Conversions

## Conversions Part 2

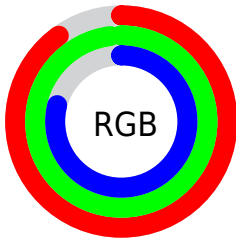
Format	Color
R <sub>Y</sub> B	202, 250, 223
Decimal	15071946
CIE Lab	95.70, -15.08, 20.77
CIE LCh	96, 25.666, 125.986
Yxy	89.2935, 0.3276, 0.3792
Android (android.graphics.Color)	4293262026 (0xFFE5FACA)
YUV	238.2490, -17.8708, -8.1114
Hunter-Lab	94.4952, -19.6451, 22.8268

# Details

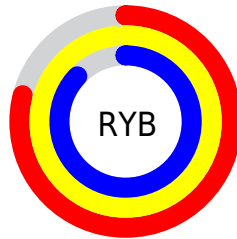
The Yxy color **89.2935, 0.3276, 0.3792** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **64.8440, 0.2954, 0.2783**, and the grayscale version is **85.8366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6059, 0.3300, 0.3910** is the 20% darker color. If you saturate the color by 10%, you get **86.4587, 0.3350, 0.4078**, and if you desaturate by 10%, it is **92.4422, 0.3199, 0.3522**.

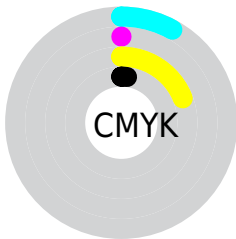
# Distribution



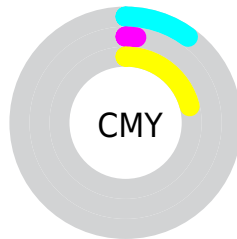
- Red (90%)
- Green (98%)
- Blue (79%)



- Red (79%)
- Yellow (98%)
- Blue (87%)



- Cyan (8%)
- Magenta (0%)
- Yellow (19%)
- Black (2%)



- Cyan (10%)
- Magenta (2%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.2935, 0.3276, 0.3792 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 89.2935, 0.3276, 0.3792 by changing the saturation by 10% instead.




 89.2935, 0.3276,  
0.3792

 89.2935, 0.3276,  
0.3792


525.7300, 0.3213,  
0.3562

 67.3948, 0.3289,  
0.3844

146.3566, 0.3255,  
0.3713

 49.4056, 0.3305,  
0.3907


182.2899, 0.3247,  
0.3682

 34.9413, 0.3323,  
0.3987


223.6701, 0.3239,  
0.3655

 23.6177, 0.3345,  
0.4090

270.8818, 0.3233,  
0.3632

 15.0502, 0.3373,  
0.4228

324.3092, 0.3227,  
0.3612

 8.8547, 0.3406,  
0.4422

384.3367, 0.3222,

 4.6465, 0.3443,

0.3593

0.4712

451.3489, 0.3217,  
0.3577

■ 2.0414, 0.3550,  
0.5304

■ 0.6314, 0.2687,  
0.7313

■ 89.2935, 0.3276,  
0.3792

■ 89.2935, 0.3276,  
0.3792

■ 86.4587, 0.3350,  
0.4078

■ 92.4422, 0.3199,  
0.3522

■ 83.9148, 0.3417,  
0.4372

■ 95.9037, 0.3121,  
0.3271

■ 81.6535, 0.3472,  
0.4664

■ 96.8662, 0.3129,  
0.3243

■ 79.6617, 0.3511,  
0.4941

■ 77.9249, 0.3529,  
0.5189

■ 76.4268, 0.3523,  
0.5393

■ 75.1484, 0.3494,  
0.5544

■ 74.0622, 0.3445,  
0.5643

■ 73.9820, 0.3440,  
0.5650

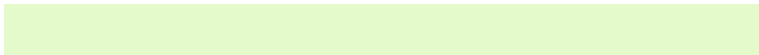
# Harmonies

## Analogous

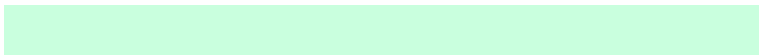
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.2935, 0.3533, 0.3780



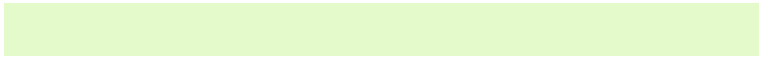
89.2935, 0.3276, 0.3792



89.2935, 0.2987, 0.3650

# Triad

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



89.2935, 0.3276, 0.3792



89.2935, 0.2597, 0.2918



89.2935, 0.3519, 0.3171

# Complementary

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



89.2935, 0.3276, 0.3792



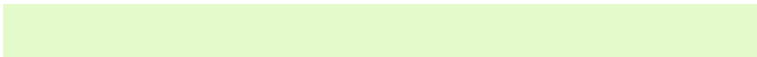
64.8440, 0.2954, 0.2783

# Split Complementary

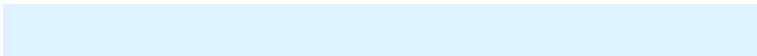
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.2935, 0.3251, 0.2966



89.2935, 0.3276, 0.3792



89.2935, 0.2724, 0.2818

# Square

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



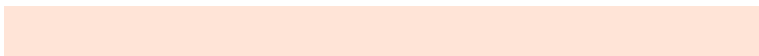
89.2935, 0.3276, 0.3792



89.2935, 0.2604, 0.3127



89.2935, 0.2959, 0.2838

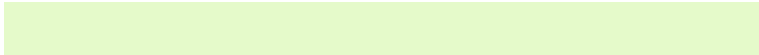


89.2935, 0.3680, 0.3411

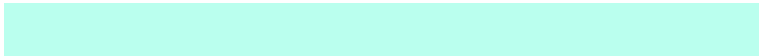


# Rectangle

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



89.2935, 0.3276, 0.3792



89.2935, 0.2816, 0.3490



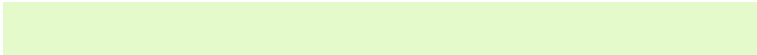
89.2935, 0.2959, 0.2838



89.2935, 0.3438, 0.3096

# Sweetspot

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



89.2974, 0.3276, 0.3792



97.8014, 0.3174, 0.3439



77.2652, 0.3467, 0.3505



20.8839, 0.3179, 0.3456



0.0000, 0.0000, 0.0000

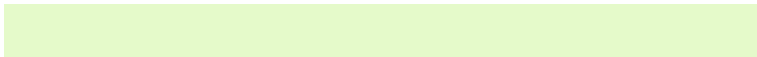


21.4041, 0.3127, 0.3290

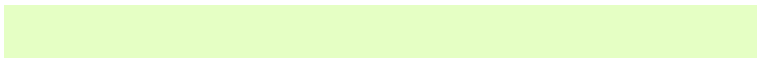


# Same Dimension

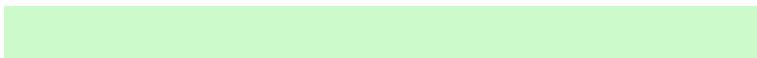
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.2974, 0.3276, 0.3792



92.2199, 0.3305, 0.3900



85.6575, 0.3122, 0.3816



19.7894, 0.3201, 0.3529



39.3205, 0.3452, 0.5641



3.7045, 0.3536, 0.5574



# Inverse Universe

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



64.8440, 0.2954, 0.2783



62.4040, 0.2913, 0.2673



68.8843, 0.3126, 0.2808



17.0159, 0.3048, 0.3050



5.4938, 0.1909, 0.0825

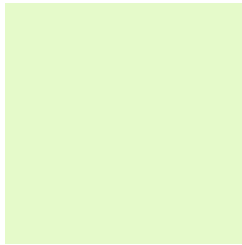


0.5704, 0.2041, 0.0898



# Previews

## White Background



This preview shows how the Yxy color 89.2935, 0.3276, 0.3792 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

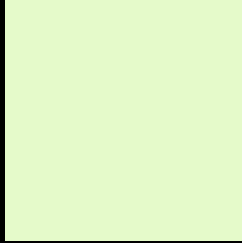
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.2935, 0.3276, 0.3792 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

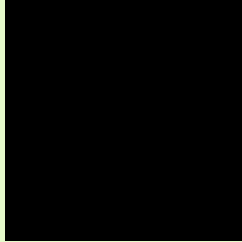
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

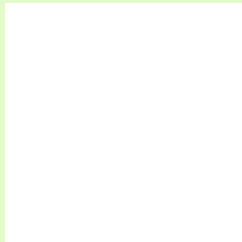
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.2935, 0.3276, 0.3792**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.2935, 0.3276, 0.3792.

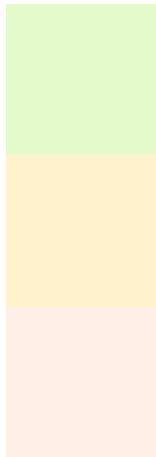


This preview shows how white text looks on a background with the Yxy color 89.2935, 0.3276, 0.3792.

# 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

89.2935, 0.3276, 0.3792

### Protanopia

89.1239, 0.3453, 0.3669

### Deuteranopia

88.7625, 0.3284, 0.3369



## Tritanopia

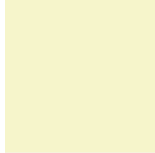
89.0750, 0.3031, 0.3161

# Trichromacy



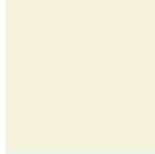
## Original Color

89.2935, 0.3276, 0.3792



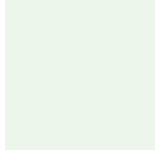
## Protanomaly

89.2094, 0.3392, 0.3716



## Deuteranomaly

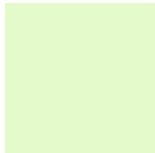
88.8613, 0.3288, 0.3522



## Tritanomaly

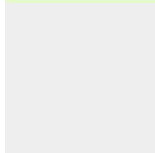
89.0231, 0.3116, 0.3381

# Monochromacy



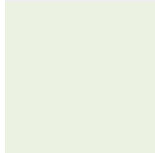
## Original Color

89.2935, 0.3276, 0.3792



## Achromatopsia

85.4993, 0.3127, 0.3290



## Achromatomaly

86.6027, 0.3185, 0.3465

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.2935, 0.3276, 0.3792 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(229, 250, 202)` looks like.

```
.text, #text, p{  
    color:rgb(229, 250, 202)  
}
```

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(229, 250, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 250, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 89.2935, 0.3276, 0.3792 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(229, 250, 202) }
```

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

```
.border{ border-color:rgb(229, 250, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 250, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 250, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 250, 202);  
box-shadow:4px 4px 4px 4px rgb(229, 250,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.2935, 0.3276, 0.3792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 250, 202) }
```

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

```
.background{ background-color: rgb(229,  
250, 202) }
```

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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