

# Converting Colors

$Yxy(89.1377, 0.3455, 0.4032)$

Have a look what the booklet for  
Yxy(89.1377, 0.3455, 0.4032)  
contains.

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# Color

**Yxy(89.2477, 0.3460, 0.4038)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBFAB2
RGB	235, 250, 178
RGB Percent	92%, 98%, 70%
CMY	0.0785, 0.0195, 0.3021
CMYK	0.06, 0.00, 0.29, 0.02
HSL	73°, 88%, 84%
HSV	73°, 29%, 98%
XYZ	76.4728, 89.2477, 55.2991
YIQ	237.3070, 14.1720, -25.5720

# Conversions

## Conversions Part 2

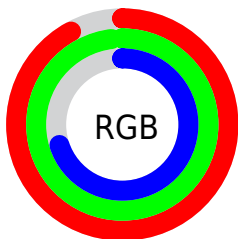
Format	Color
<a href="#">RYB</a>	<a href="#">178, 250, 193</a>
Decimal	<a href="#">15465138</a>
CIELab	<a href="#">95.68, -16.35, 32.99</a>
CIELCh	<a href="#">96, 36.820, 116.368</a>
Yxy	<a href="#">89.2477, 0.3460, 0.4038</a>
Android (android.graphics.Color)	<a href="#">4293655218 (0xFFEBFAB2)</a>
YUV	<a href="#">237.3070, -29.2384, -2.0232</a>
Hunter-Lab	<a href="#">94.4710, -20.8313, 31.4240</a>

# Details

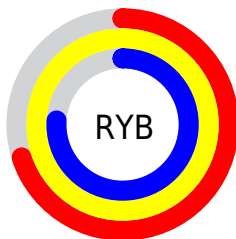
The Yxy color **89.2477, 0.3460, 0.4038** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **50.0721, 0.2725, 0.2473**, and the grayscale version is **85.1558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **49.6479, 0.3523, 0.4207** is the 20% darker color. If you saturate the color by 10%, you get **87.4618, 0.3569, 0.4306**, and if you desaturate by 10%, it is **91.2506, 0.3345, 0.3770**.

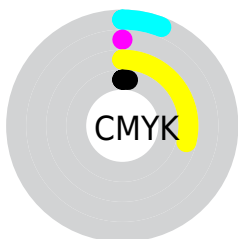
# Distribution



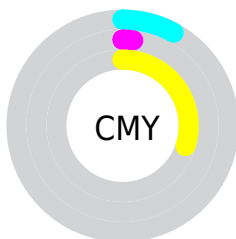
- Red (92%)
- Green (98%)
- Blue (70%)



- Red (70%)
- Yellow (98%)
- Blue (76%)



- Cyan (6%)
- Magenta (0%)
- Yellow (29%)
- Black (2%)



- Cyan (8%)
- Magenta (2%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.2477, 0.3460, 0.4038 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 89.2477, 0.3460, 0.4038 by changing the saturation by 10% instead.




 89.2477, 0.3460,  
0.4038

 89.2477, 0.3460,  
0.4038

525.5806, 0.3319,  
0.3697

 67.3569, 0.3489,  
0.4114

 146.2930, 0.3414,  
0.3921

 49.3747, 0.3523,  
0.4207

182.2162, 0.3395,  
0.3875

 34.9168, 0.3563,  
0.4323

223.5857, 0.3378,  
0.3835

 23.5988, 0.3610,  
0.4472

270.7858, 0.3364,  
0.3800

 15.0363, 0.3666,  
0.4666

324.2009, 0.3351,  
0.3770

 8.8448, 0.3728,  
0.4931

384.2155, 0.3339,

 4.6401, 0.3789,

0.3743

0.5308

451.2140, 0.3328,  
0.3718

■ 2.0377, 0.3933,  
0.6067

■ 0.6292, 0.2401,  
0.7599

■ 89.2477, 0.3460,  
0.4038

■ 89.2477, 0.3460,  
0.4038

■ 87.4618, 0.3569,  
0.4306

■ 91.2506, 0.3345,  
0.3770

■ 85.8709, 0.3666,  
0.4563

■ 93.4681, 0.3229,  
0.3509

■ 84.4677, 0.3745,  
0.4798

■ 95.9129, 0.3114,  
0.3261

■ 83.2400, 0.3803,  
0.5000

■ 96.8612, 0.3129,  
0.3243

■ 82.1737, 0.3836,  
0.5159

■ 81.2522, 0.3842,  
0.5272

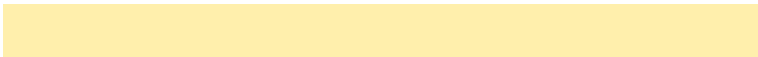
■ 80.4512, 0.3824,  
0.5341

■ 80.3606, 0.3822,  
0.5348

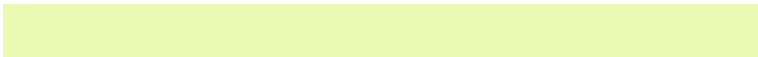
# Harmonies

## Analogous

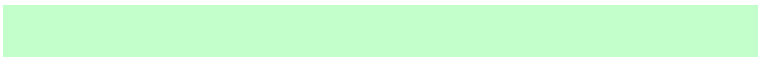
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.2477, 0.3795, 0.3935



89.2477, 0.3460, 0.4038



89.2477, 0.3050, 0.3909

# Triad

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



89.2477, 0.3460, 0.4038



89.2477, 0.2364, 0.2832



89.2477, 0.3576, 0.3017

# Complementary

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



89.2477, 0.3460, 0.4038



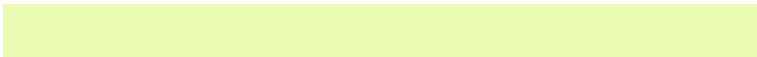
50.0721, 0.2725, 0.2473

# 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.



89.2477, 0.3163, 0.2765



89.2477, 0.3460, 0.4038



89.2477, 0.2481, 0.2649

# Square

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



89.2477, 0.3460, 0.4038



89.2477, 0.2432, 0.3166



89.2477, 0.2765, 0.2631

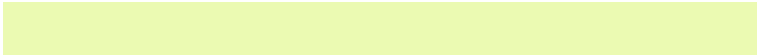


89.2477, 0.3873, 0.3340

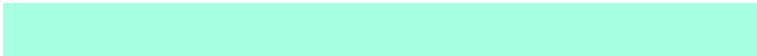


# Rectangle

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



89.2477, 0.3460, 0.4038



89.2477, 0.2790, 0.3701



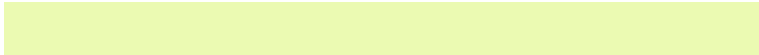
89.2477, 0.2765, 0.2631



89.2477, 0.3445, 0.2923

# Sweetspot

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



89.2517, 0.3460, 0.4038



97.7114, 0.3231, 0.3514



61.4066, 0.3725, 0.3445



20.8390, 0.3248, 0.3551



0.0000, 0.0000, 0.0000

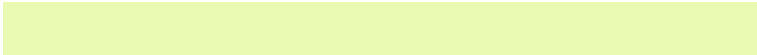


21.4041, 0.3127, 0.3290

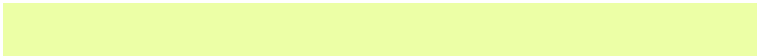


# Same Dimension

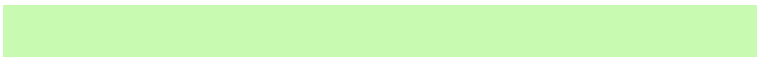
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.2517, 0.3460, 0.4038



92.1590, 0.3529, 0.4205



83.8166, 0.3223, 0.4097



19.9971, 0.3236, 0.3527



42.6836, 0.3828, 0.5343



3.9975, 0.3874, 0.5306



# Inverse Universe

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



50.0721, 0.2725, 0.2473



44.6399, 0.2619, 0.2270



55.2924, 0.2991, 0.2533



16.8176, 0.3011, 0.3047



4.1004, 0.1605, 0.0658

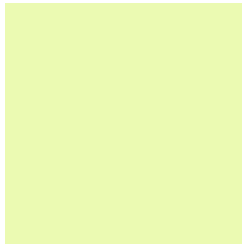


0.4230, 0.1711, 0.0716



# Previews

## White Background



This preview shows how the Yxy color 89.2477, 0.3460, 0.4038 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

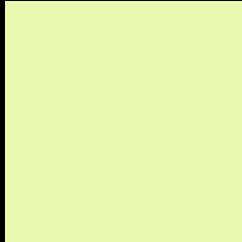
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.2477, 0.3460, 0.4038 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

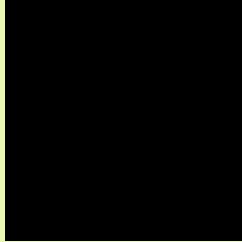
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

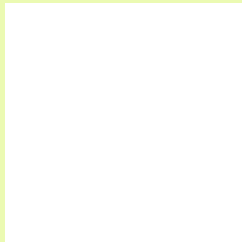
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.2477, 0.3460, 0.4038**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.2477, 0.3460, 0.4038.

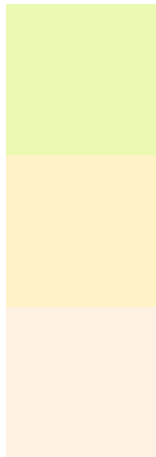


This preview shows how white text looks on a background with the Yxy color 89.2477, 0.3460, 0.4038.

# 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

89.2477, 0.3460, 0.4038

### Protanopia

88.8878, 0.3486, 0.3719

### Deuteranopia

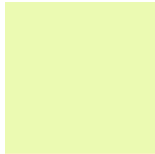
89.1816, 0.3302, 0.3409



## Tritanopia

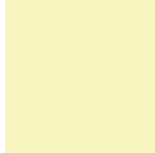
88.9527, 0.3069, 0.3143

# Trichromacy



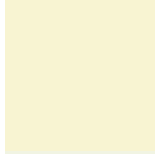
## Original Color

89.2477, 0.3460, 0.4038



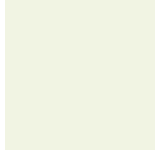
## Protanomaly

89.0229, 0.3481, 0.3837



## Deuteranomaly

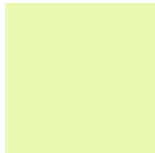
89.3110, 0.3364, 0.3633



## Tritanomaly

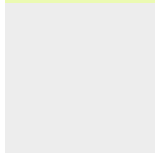
88.9482, 0.3211, 0.3462

# Monochromacy



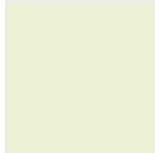
## Original Color

89.2477, 0.3460, 0.4038



## Achromatopsia

84.6873, 0.3127, 0.3290



## Achromatomaly

86.2950, 0.3247, 0.3558

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.2477, 0.3460, 0.4038 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(235, 250, 178)` looks like.

```
.text, #text, p{  
    color:rgb(235, 250, 178)  
}
```

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(235, 250, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 250, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 89.2477, 0.3460, 0.4038 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(235, 250, 178) }
```

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

```
.border{ border-color:rgb(235, 250, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 250, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 250, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 250, 178);  
box-shadow:4px 4px 4px 4px rgb(235, 250,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.2477, 0.3460, 0.4038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 250, 178) }
```

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

```
.background{ background-color: rgb(235,  
250, 178) }
```

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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