

# Converting Colors

$Y_{xy}(100.0000, 0.3931, 0.3824)$

Have a look what the booklet for  
Yxy(100.0000, 0.3931, 0.3824)  
contains.

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# Color

**Yxy(89.3803, 0.3583, 0.3899)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF4B7
RGB	255, 244, 183
RGB Percent	100%, 96%, 72%
CMY	0.0000, 0.0431, 0.2823
CMYK	0.00, 0.04, 0.28, 0.00
HSL	51°, 100%, 86%
HSV	51°, 28%, 100%
XYZ	82.1363, 89.3803, 57.7224
YIQ	240.3350, 26.1370, -16.6390

# Conversions

## Conversions Part 2

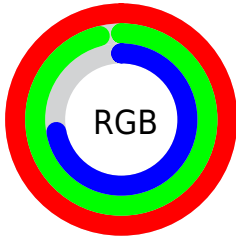
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	196, 255, 183
Decimal	16774327
CIE Lab	95.74, -5.38, 30.79
CIE LCh	96, 31.254, 99.919
Yxy	89.3803, 0.3583, 0.3899
Android (android.graphics.Color)	4294964407 (0xFFFFF4B7)
YUV	240.3350, -28.2662, 12.8612
Hunter-Lab	94.5412, -10.3681, 29.9791

# Details

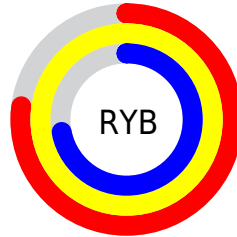
The Yxy color **89.3803, 0.3583, 0.3899** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.8652, 0.2643, 0.2597**, and the grayscale version is **87.6261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0120, 0.3220, 0.3444**, and **49.5839, 0.3677, 0.4025** is the 20% darker color. If you saturate the color by 10%, you get **86.0996, 0.3754, 0.4114**, and if you desaturate by 10%, it is **92.9109, 0.3414, 0.3679**.

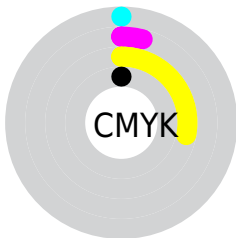
# Distribution



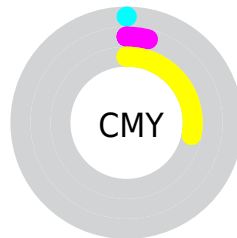
- Red (100%)
- Green (96%)
- Blue (72%)



- Red (77%)
- Yellow (100%)
- Blue (72%)



- Cyan (0%)
- Magenta (4%)
- Yellow (28%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.3803, 0.3583, 0.3899 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 89.3803, 0.3583, 0.3899 by changing the saturation by 10% instead.



 89.3803, 0.3583,  
0.3899

 89.3803, 0.3583,  
0.3899

526.0129, 0.3383,  
0.3627

 67.4668, 0.3626,  
0.3959


 146.4773, 0.3516,  
0.3807

 49.4641, 0.3677,  
0.4031

182.4296, 0.3489,  
0.3770

 34.9877, 0.3739,  
0.4120

223.8302, 0.3466,  
0.3738

 23.6534, 0.3816,  
0.4232

271.0637, 0.3445,  
0.3710

 15.0767, 0.3912,  
0.4376

324.5142, 0.3427,  
0.3686

 8.8733, 0.4035,  
0.4568

384.5664, 0.3411,

 4.6586, 0.4188,

0.3664

0.4827

451.6045, 0.3396,  
0.3644

■ 2.0484, 0.4573,  
0.5427

■ 0.6354, 0.4265,  
0.5735

■ 89.3803, 0.3583,  
0.3899

■ 89.3803, 0.3583,  
0.3899

■ 86.0996, 0.3754,  
0.4114

■ 92.9109, 0.3414,  
0.3679

■ 83.0460, 0.3922,  
0.4316

■ 96.6891, 0.3253,  
0.3463

■ 80.2118, 0.4081,  
0.4495

99.9990, 0.3127,  
0.3290

■ 77.5841, 0.4221,  
0.4640

■ 75.1482, 0.4338,  
0.4743

■ 72.8866, 0.4427,  
0.4799

■ 70.7758, 0.4488,  
0.4811

■ 70.4127, 0.4497,  
0.4811

# Harmonies

## Analogous

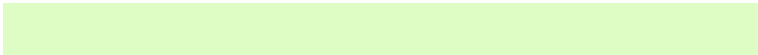
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3803, 0.3791, 0.3733



89.3803, 0.3583, 0.3899



89.3803, 0.3258, 0.3895

# Triad

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



89.3803, 0.3583, 0.3899



89.3803, 0.2486, 0.3048



89.3803, 0.3323, 0.2927

# Complementary

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



89.3803, 0.3583, 0.3899



55.8652, 0.2643, 0.2597

# 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.



89.3803, 0.2966, 0.2761



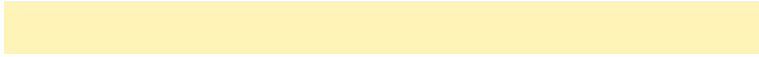
89.3803, 0.3583, 0.3899



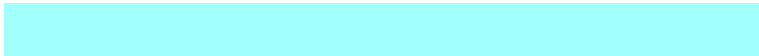
89.3803, 0.2499, 0.2813

# Square

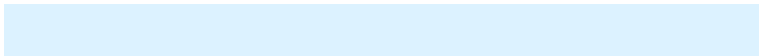
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.3803, 0.3583, 0.3899



89.3803, 0.2632, 0.3376



89.3803, 0.2669, 0.2716

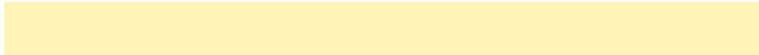


89.3803, 0.3640, 0.3180

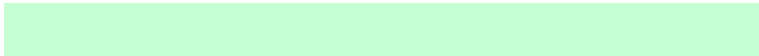


# Rectangle

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



89.3803, 0.3583, 0.3899



89.3803, 0.3023, 0.3783



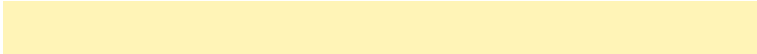
89.3803, 0.2669, 0.2716



89.3803, 0.3203, 0.2860

# Sweetspot

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



89.3843, 0.3583, 0.3899



96.7849, 0.3249, 0.3458



59.0667, 0.3647, 0.3167



20.5905, 0.3273, 0.3490



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

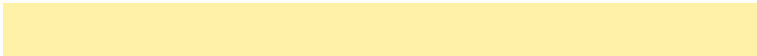


# Same Dimension

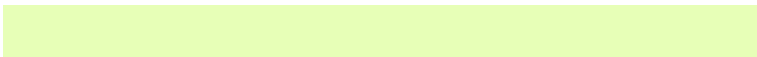
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.3843, 0.3583, 0.3899



87.4654, 0.3682, 0.4024



91.9240, 0.3394, 0.4038



20.5905, 0.3273, 0.3490



36.9723, 0.4491, 0.4816



3.7220, 0.4452, 0.4847



# Inverse Universe

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



55.8652, 0.2643, 0.2597



48.8418, 0.2531, 0.2429



54.3525, 0.2798, 0.2505



17.8251, 0.2979, 0.3082



4.6604, 0.1535, 0.0724



0.5785, 0.1582, 0.0894



# Previews

## White Background



This preview shows how the Yxy color 89.3803, 0.3583, 0.3899 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

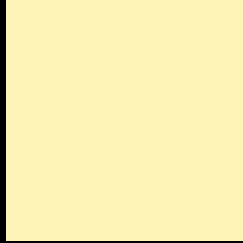
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.3803, 0.3583, 0.3899 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

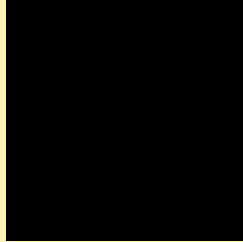
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 89.3803, 0.3583, 0.3899**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.3803, 0.3583, 0.3899.

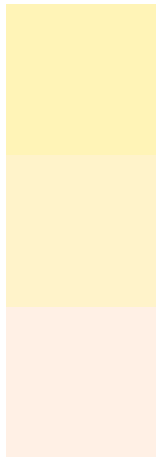


This preview shows how white text looks on a background with the Yxy color 89.3803, 0.3583, 0.3899.

# 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

89.3803, 0.3583, 0.3899

### Protanopia

89.6255, 0.3464, 0.3699

### Deuteranopia

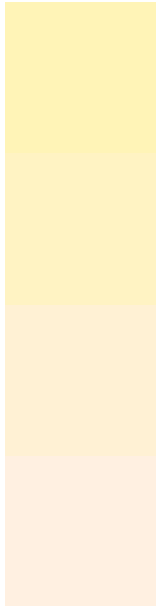
89.2373, 0.3296, 0.3399



## Tritanopia

89.2486, 0.3172, 0.3184

# Trichromacy



## Original Color

89.3803, 0.3583, 0.3899

## Protanomaly

89.3013, 0.3509, 0.3769

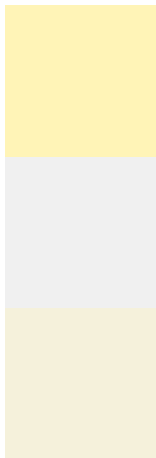
## Deuteranomaly

88.9241, 0.3404, 0.3578

## Tritanomaly

89.0164, 0.3322, 0.3438

# Monochromacy



## Original Color

89.3803, 0.3583, 0.3899

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

87.4375, 0.3290, 0.3513

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.3803, 0.3583, 0.3899 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(255, 244, 183)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 183)  
}
```

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(255, 244, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 89.3803, 0.3583, 0.3899 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(255, 244, 183) }
```

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

```
.border{ border-color:rgb(255, 244, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 183);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.3803, 0.3583, 0.3899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 183) }
```

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

```
.background{ background-color: rgb(255,  
244, 183) }
```

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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