

# Converting Colors

$Yxy(89.6580, 0.3547, 0.3842)$

Have a look what the booklet for  
Yxy(89.6580, 0.3547, 0.3842)  
contains.

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# Color

**Yxy(89.6355, 0.3545, 0.3839)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF4BD
RGB	255, 244, 189
RGB Percent	100%, 96%, 74%
CMY	0.0001, 0.0431, 0.2588
CMYK	0.00, 0.04, 0.26, 0.00
HSL	50°, 100%, 87%
HSV	50°, 26%, 100%
XYZ	82.7710, 89.6355, 61.0801
YIQ	241.0190, 24.2110, -14.7730

# Conversions

## Conversions Part 2

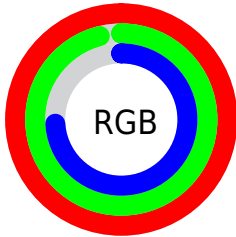
Format	Color
RYP	202, 255, 189
Decimal	16774333
CIELab	95.85, -4.62, 27.89
CIElCh	96, 28.270, 99.401
Yxy	89.6355, 0.3545, 0.3839
Android (android.graphics.Color)	4294964413 (0xFFFFF4BD)
YUV	241.0190, -25.6454, 12.2613
Hunter-Lab	94.6760, -9.6285, 28.0224

# Details

The Yxy color **89.6355, 0.3545, 0.3839** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.3314, 0.2689, 0.2674**, and the grayscale version is **88.1709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4338, 0.3179, 0.3376**, and **49.7215, 0.3638, 0.3963** is the 20% darker color. If you saturate the color by 10%, you get **86.1054, 0.3718, 0.4053**, and if you desaturate by 10%, it is **93.4270, 0.3376, 0.3623**.

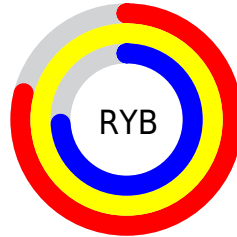
# Distribution



Red (100%)

Green (96%)

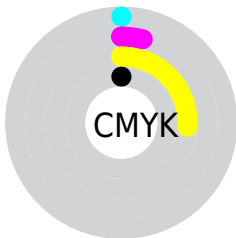
Blue (74%)



Red (79%)

Yellow (100%)

Blue (74%)

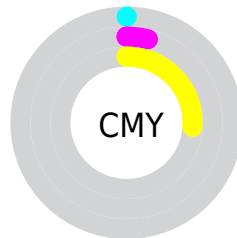


Cyan (0%)

Magenta (4%)

Yellow (26%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.6355, 0.3545, 0.3839 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 89.6355, 0.3545, 0.3839 by changing the saturation by 10% instead.





 89.6355, 0.3545,  
0.3839

 89.6355, 0.3545,  
0.3839

526.8444, 0.3361,  
0.3593

 67.6784, 0.3584,  
0.3893


 146.8320, 0.3483,  
0.3756

 49.6361, 0.3632,  
0.3958


182.8401, 0.3459,  
0.3723

 35.1244, 0.3690,  
0.4039


224.3007, 0.3437,  
0.3694

 23.7587, 0.3762,  
0.4141

271.5982, 0.3418,  
0.3669

 15.1547, 0.3854,  
0.4273

325.1169, 0.3402,  
0.3647

 8.9280, 0.3973,  
0.4450

385.2412, 0.3387,

 4.6943, 0.4127,

0.3627

0.4693

452.3556, 0.3373,  
0.3609

■ 2.0690, 0.4617,  
0.5383

■ 0.6471, 0.4370,  
0.5630

■ 89.6355, 0.3545,  
0.3839

■ 89.6355, 0.3545,  
0.3839

■ 86.1054, 0.3718,  
0.4053

■ 93.4270, 0.3376,  
0.3623

■ 82.8141, 0.3890,  
0.4257

■ 97.4776, 0.3216,  
0.3411

■ 79.7541, 0.4055,  
0.4440

99.9969, 0.3127,  
0.3290

■ 76.9126, 0.4205,  
0.4592

■ 74.2753, 0.4333,  
0.4703

■ 71.8255, 0.4433,  
0.4769

■ 69.5427, 0.4504,  
0.4788

■ 68.6381, 0.4528,  
0.4787

# Harmonies

## Analogous

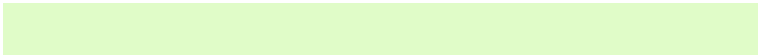
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6355, 0.3729, 0.3690



89.6355, 0.3545, 0.3839



89.6355, 0.3253, 0.3835

# Triad

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



89.6355, 0.3545, 0.3839



89.6355, 0.2546, 0.3078



89.6355, 0.3299, 0.2957

# Complementary

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



89.6355, 0.3545, 0.3839



59.3314, 0.2689, 0.2674

# 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.



89.6355, 0.2977, 0.2807



89.6355, 0.3545, 0.3839



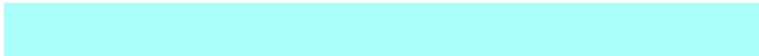
89.6355, 0.2555, 0.2862

# Square

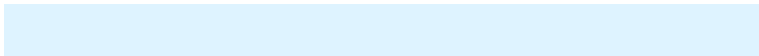
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.6355, 0.3545, 0.3839



89.6355, 0.2682, 0.3374



89.6355, 0.2709, 0.2769



89.6355, 0.3586, 0.3187

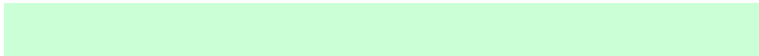


# Rectangle

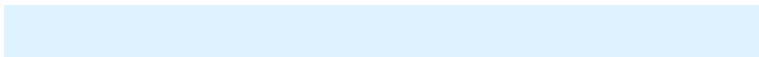
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.6355, 0.3545, 0.3839



89.6355, 0.3040, 0.3736



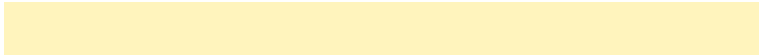
89.6355, 0.2709, 0.2769



89.6355, 0.3191, 0.2896

# Sweetspot

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



89.6395, 0.3545, 0.3839



96.6100, 0.3249, 0.3455



61.8207, 0.3590, 0.3177



20.5462, 0.3273, 0.3487



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

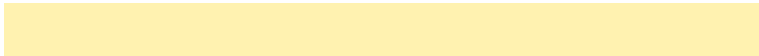


# Same Dimension

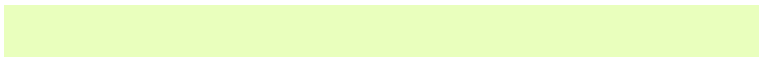
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6395, 0.3545, 0.3839



87.8114, 0.3633, 0.3950



92.5052, 0.3372, 0.3972



20.5462, 0.3273, 0.3487



36.0604, 0.4521, 0.4792



3.6416, 0.4478, 0.4827



# Inverse Universe

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



59.3314, 0.2689, 0.2674



52.8798, 0.2591, 0.2530



57.4607, 0.2831, 0.2578



17.8656, 0.2979, 0.3085



4.7948, 0.1540, 0.0743



0.5976, 0.1589, 0.0919



# Previews

## White Background



This preview shows how the Yxy color 89.6355, 0.3545, 0.3839 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

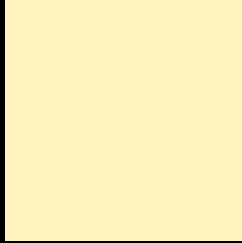
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.6355, 0.3545, 0.3839 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

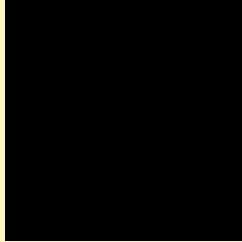
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 89.6355, 0.3545, 0.3839**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.6355, 0.3545, 0.3839.

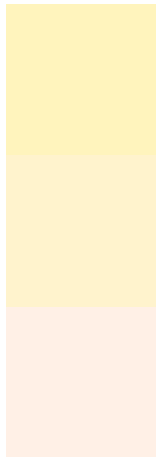


This preview shows how white text looks on a background with the Yxy color 89.6355, 0.3545, 0.3839.

# 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

89.6355, 0.3545, 0.3839

### Protanopia

89.7690, 0.3445, 0.3668

### Deuteranopia

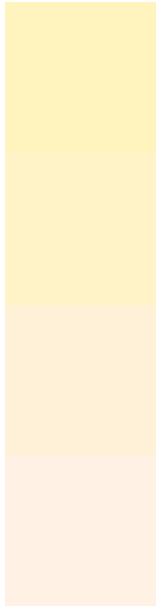
89.2933, 0.3290, 0.3389



## Tritanopia

89.8326, 0.3171, 0.3193

# Trichromacy



## Original Color

89.6355, 0.3545, 0.3839

## Protanomaly

89.4847, 0.3484, 0.3729

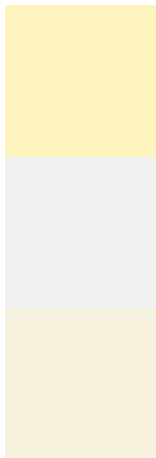
## Deuteranomaly

89.0769, 0.3384, 0.3548

## Tritanomaly

89.7166, 0.3308, 0.3428

# Monochromacy



## Original Color

89.6355, 0.3545, 0.3839

## Achromatopsia

87.9622, 0.3127, 0.3290

## Achromatomaly

88.3710, 0.3277, 0.3491

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.6355, 0.3545, 0.3839 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 89.6355, 0.3545, 0.3839 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, 189) }
```

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

```
.border{ border-color:rgb(255, 244, 189) }
```

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, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 189);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.6355, 0.3545, 0.3839 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, 189) }
```

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

```
.background{ background-color: rgb(255,  
244, 189) }
```

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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