

# Converting Colors

$Yxy(89.5700, 0.3894, 0.4443)$

Have a look what the booklet for  
Yxy(89.5700, 0.3894, 0.4443)  
contains.

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# Color

**Yxy(89.3400, 0.3895, 0.4439)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF780
RGB	255, 247, 128
RGB Percent	100%, 97%, 50%
CMY	0.0001, 0.0313, 0.4981
CMYK	0.00, 0.03, 0.50, 0.00
HSL	56°, 100%, 75%
HSV	56°, 50%, 100%
XYZ	78.3914, 89.3400, 33.5302
YIQ	235.8260, 42.9670, -35.3130

# Conversions

## Conversions Part 2

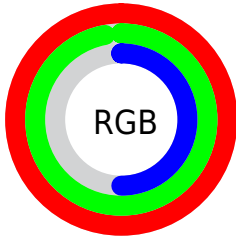
Format	Color
<a href="#">RYB</a>	<a href="#">137, 255, 128</a>
Decimal	<a href="#">16775040</a>
CIELab	<a href="#">95.72, -12.66, 57.57</a>
CIELCh	<a href="#">96, 58.942, 102.405</a>
Yxy	<a href="#">89.3400, 0.3895, 0.4439</a>
Android (android.graphics.Color)	<a href="#">4294965120 (0xFFFFF780)</a>
YUV	<a href="#">235.8260, -53.1582, 16.8156</a>
Hunter-Lab	<a href="#">94.5198, -17.3682, 45.1312</a>

# Details

The Yxy color **89.3400, 0.3895, 0.4439** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **29.4039, 0.2186, 0.1798**, and the grayscale version is **84.1305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1989, 0.3556, 0.3998**, and **49.4918, 0.4025, 0.4673** is the 20% darker color. If you saturate the color by 10%, you get **87.7805, 0.4026, 0.4624**, and if you desaturate by 10%, it is **91.0848, 0.3748, 0.4226**.

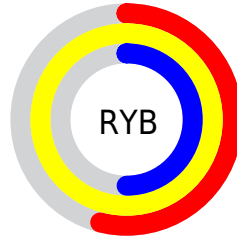
# Distribution



Red (100%)

Green (97%)

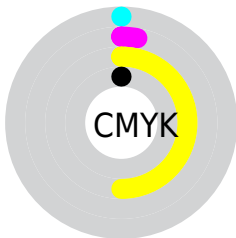
Blue (50%)



Red (54%)

Yellow (100%)

Blue (50%)

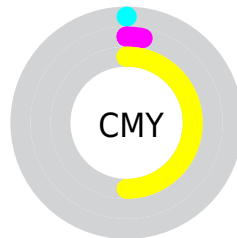


Cyan (0%)

Magenta (3%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (3%)


Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.3400, 0.3895, 0.4439 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 89.3400, 0.3895, 0.4439 by changing the saturation by 10% instead.





 89.3400, 0.3895,  
0.4439

 89.3400, 0.3895,  
0.4439


525.8816, 0.3578,  
0.3933

 67.4334, 0.3956,  
0.4544


 146.4213, 0.3794,  
0.4271

 49.4369, 0.4024,  
0.4668


 182.3647, 0.3752,  
0.4204

 34.9662, 0.4100,  
0.4815


 223.7559, 0.3715,  
0.4144

 23.6368, 0.4182,  
0.4988

270.9792, 0.3681,  
0.4092

 15.0644, 0.4262,  
0.5191

324.4190, 0.3651,  
0.4046

 8.8646, 0.4360,  
0.5467

384.4598, 0.3624,

 4.6530, 0.4329,

0.4004

0.5671

451.4858, 0.3600,  
0.3967

■ 2.0451, 0.4152,  
0.5848

■ 0.6335, 0.3163,  
0.6837

■ 89.3400, 0.3895,  
0.4439

■ 89.3400, 0.3895,  
0.4439

■ 87.7805, 0.4026,  
0.4624

■ 91.0848, 0.3748,  
0.4226

■ 86.3810, 0.4136,  
0.4773

■ 93.0142, 0.3592,  
0.3995

■ 85.1310, 0.4220,  
0.4878

■ 95.1427, 0.3432,  
0.3756

■ 84.0127, 0.4277,  
0.4938

■ 97.4802, 0.3275,  
0.3517

■ 82.9981, 0.4309,  
0.4960

99.9965, 0.3127,  
0.3290

■ 82.9787, 0.4310,  
0.4960

# Harmonies

## Analogous

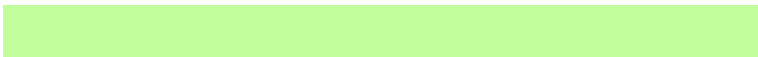
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3400, 0.4332, 0.4087



89.3400, 0.3895, 0.4439



89.3400, 0.3278, 0.4466

# Triad

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



89.3400, 0.3895, 0.4439



89.3400, 0.1972, 0.2757



89.3400, 0.3536, 0.2671

# Complementary

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



89.3400, 0.3895, 0.4439



29.4039, 0.2186, 0.1798

# 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.



89.3400, 0.2863, 0.2374



89.3400, 0.3895, 0.4439



89.3400, 0.2023, 0.2384

# Square

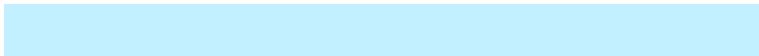
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.3400, 0.3895, 0.4439



89.3400, 0.2187, 0.3371



89.3400, 0.2328, 0.2266



89.3400, 0.4140, 0.3104



# Rectangle

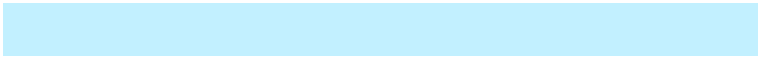
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.3400, 0.3895, 0.4439



89.3400, 0.2852, 0.4234



89.3400, 0.2328, 0.2266



89.3400, 0.3307, 0.2554

# Sweetspot

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



89.3441, 0.3895, 0.4439



96.2549, 0.3356, 0.3641



38.4828, 0.4453, 0.3207



20.4982, 0.3390, 0.3691



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

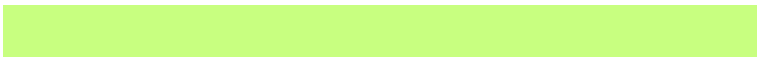
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.3441, 0.3895, 0.4439



87.7660, 0.4029, 0.4628



85.3392, 0.3480, 0.4680



20.8839, 0.3271, 0.3510



43.4490, 0.4307, 0.4962



4.2872, 0.4293, 0.4973



# Inverse Universe

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



29.4039, 0.2186, 0.1798



21.5452, 0.1978, 0.1455



32.7243, 0.2566, 0.1854



17.5606, 0.2978, 0.3060



4.0356, 0.1511, 0.0637

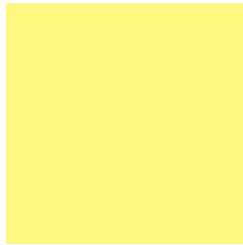


0.4542, 0.1535, 0.0725



# Previews

## White Background



This preview shows how the Yxy color 89.3400, 0.3895, 0.4439 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

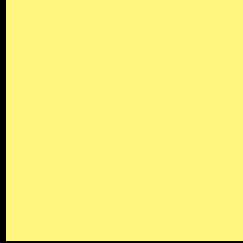
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.3400, 0.3895, 0.4439 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

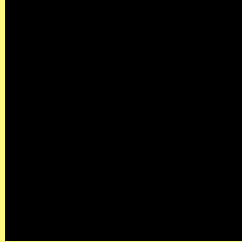
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 89.3400, 0.3895, 0.4439**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.3400, 0.3895, 0.4439.

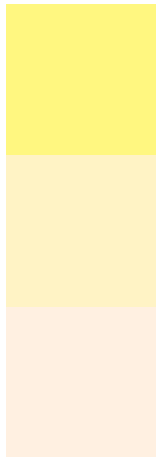


This preview shows how white text looks on a background with the Yxy color 89.3400, 0.3895, 0.4439.

# 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

89.3400, 0.3895, 0.4439

### Protanopia

89.3924, 0.3496, 0.3749

### Deuteranopia

89.0164, 0.3322, 0.3438



## Tritanopia

89.1245, 0.3184, 0.3203

# Trichromacy



## Original Color

89.3400, 0.3895, 0.4439



## Protanomaly

88.9399, 0.3652, 0.4008



## Deuteranomaly

89.0789, 0.3541, 0.3820



## Tritanomaly

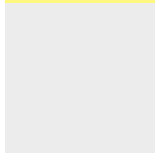
88.5302, 0.3455, 0.3659

# Monochromacy



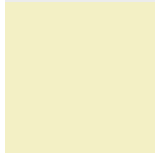
## Original Color

89.3400, 0.3895, 0.4439



## Achromatopsia

83.8799, 0.3127, 0.3290



## Achromatomaly

85.4061, 0.3418, 0.3733

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.3400, 0.3895, 0.4439 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, 247, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 128)  
}
```

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, 247, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 89.3400, 0.3895, 0.4439 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, 247, 128) }
```

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

```
.border{ border-color:rgb(255, 247, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 247, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 247, 128); box-shadow:4px 4px 4px 4px rgb(255, 247, 128) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.3400, 0.3895, 0.4439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 128) }
```

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

```
.background{ background-color: rgb(255,  
247, 128) }
```

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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