

Converting Colors

$Yxy(89.6943, 0.3811, 0.4361)$

Have a look what the booklet for
Yxy(89.6943, 0.3811, 0.4361)
contains.

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Color

Yxy(89.6943, 0.3811, 0.4361)

Conversions

Conversions Part 1

Format	Color
Hex	FCF88B
RGB	252, 248, 139
RGB Percent	99%, 97%, 55%
CMY	0.0116, 0.0275, 0.4550
CMYK	0.00, 0.02, 0.45, 0.01
HSL	58°, 95%, 77%
HSV	58°, 45%, 99%
XYZ	78.3822, 89.6943, 37.5972
YIQ	236.7700, 37.3730, -33.0510

Conversions

Conversions Part 2

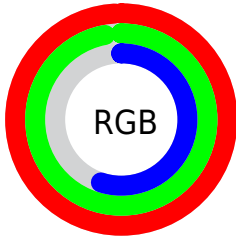
Format	Color
R_{YB}	143, 252, 139
Decimal	16578699
CIE _{Lab}	95.87, -13.32, 52.57
CIE _{LCh}	96, 54.227, 104.215
Yxy	89.6943, 0.3811, 0.4361
Android (android.graphics.Color)	4294768779 (0xFFFCF88B)
YUV	236.7700, -48.2006, 13.3567
Hunter-Lab	94.7071, -18.0057, 42.7578

Details

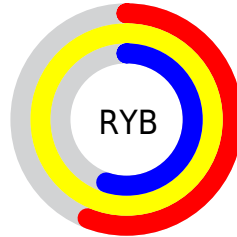
The Yxy color **89.6943, 0.3811, 0.4361** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **32.1696, 0.2284, 0.1932**, and the grayscale version is **84.8631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6750, 0.3490, 0.3890**, and **49.8405, 0.3932, 0.4581** is the 20% darker color. If you saturate the color by 10%, you get **88.4914, 0.3945, 0.4565**, and if you desaturate by 10%, it is **91.0780, 0.3664, 0.4134**.

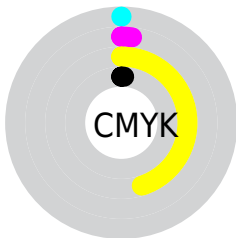
Distribution



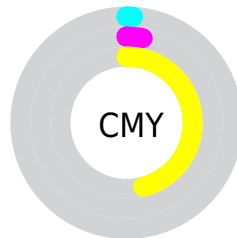
- Red (99%)
- Green (97%)
- Blue (55%)



- Red (56%)
- Yellow (99%)
- Blue (55%)



- Cyan (0%)
- Magenta (2%)
- Yellow (45%)
- Black (1%)





- Cyan (1%)
- Magenta (3%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.6943, 0.3811, 0.4361 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 89.6943, 0.3811, 0.4361 by changing the saturation by 10% instead.

 89.6943, 0.3811,
0.4361

 89.6943, 0.3811,
0.4361


527.0359, 0.3526,
0.3885


 67.7271, 0.3867,
0.4462


 146.9137, 0.3719,
0.4202

 49.6758, 0.3930,
0.4582


 182.9347, 0.3682,
0.4138

 35.1558, 0.4002,
0.4726


 224.4091, 0.3648,
0.4082

 23.7829, 0.4082,
0.4900

271.7213, 0.3618,
0.4033

 15.1727, 0.4165,
0.5109

325.2557, 0.3592,
0.3990

 8.9407, 0.4243,
0.5367

385.3967, 0.3568,

 4.7025, 0.4303,

0.3951

0.5697

452.5286, 0.3546,
0.3917

■ 2.0738, 0.4118,
0.5882

■ 0.6498, 0.3105,
0.6895

■ 89.6943, 0.3811,
0.4361

■ 89.6943, 0.3811,
0.4361

■ 88.4914, 0.3945,
0.4565

■ 91.0780, 0.3664,
0.4134

■ 87.4449, 0.4059,
0.4735


■ 92.6407, 0.3509,
0.3893

■ 86.5458, 0.4148,
0.4864


■ 94.3965, 0.3353,
0.3647

■ 85.7784, 0.4211,
0.4949

■ 96.3544, 0.3199,
0.3405


 85.1237, 0.4247,
0.4991

 97.8622, 0.3110,
0.3266

 84.8168, 0.4258,
0.5001

 98.4317, 0.3109,
0.3275

 99.0039, 0.3109,
0.3283

 99.4433, 0.3109,
0.3290

Harmonies

Analogous

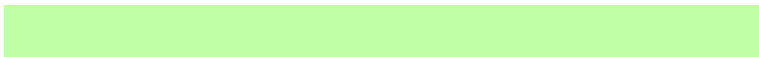
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6943, 0.4224, 0.4060



89.6943, 0.3811, 0.4361



89.6943, 0.3237, 0.4351

Triad

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



89.6943, 0.3811, 0.4361



89.6943, 0.2051, 0.2776



89.6943, 0.3542, 0.2738

Complementary

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



89.6943, 0.3811, 0.4361



32.1696, 0.2284, 0.1932

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.



89.6943, 0.2921, 0.2451



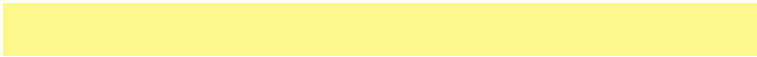
89.6943, 0.3811, 0.4361



89.6943, 0.2112, 0.2440

Square

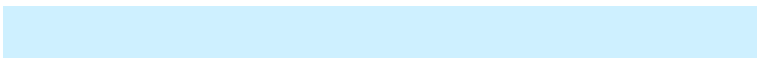
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.6943, 0.3811, 0.4361



89.6943, 0.2239, 0.3331



89.6943, 0.2413, 0.2339



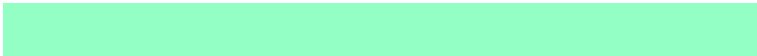
89.6943, 0.4083, 0.3150

Rectangle

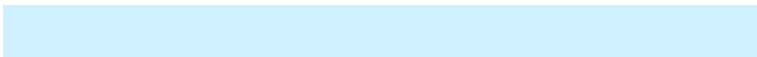
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.6943, 0.3811, 0.4361



89.6943, 0.2844, 0.4122



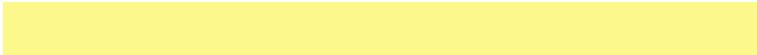
89.6943, 0.2413, 0.2339



89.6943, 0.3333, 0.2626

Sweetspot

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



89.6984, 0.3811, 0.4361



97.2912, 0.3324, 0.3602



41.1944, 0.4276, 0.3234



20.7335, 0.3358, 0.3656



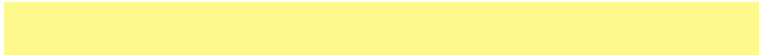
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

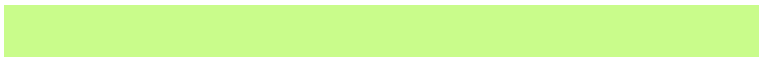
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6984, 0.3811, 0.4361



90.9669, 0.3934, 0.4549



83.9506, 0.3442, 0.4542



20.0779, 0.3270, 0.3516



44.2142, 0.4257, 0.5002



4.1274, 0.4249, 0.5008

Inverse Universe

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



32.1696, 0.2284, 0.1932



24.9980, 0.2089, 0.1611



36.4177, 0.2651, 0.2011



16.7425, 0.2979, 0.3053



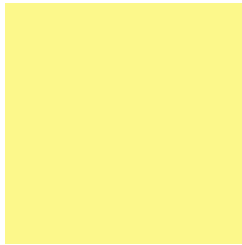
3.8077, 0.1506, 0.0622



0.3866, 0.1521, 0.0675

Previews

White Background



This preview shows how the Yxy color 89.6943, 0.3811, 0.4361 looks on a white background.

Color Contrast Check

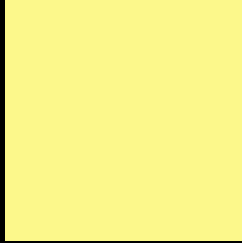
Large Text (above 18pt) WCAG AA × Fail

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 89.6943, 0.3811, 0.4361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

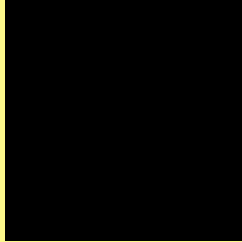
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.6943, 0.3811, 0.4361

Background



This preview shows how black text looks on a background with the Yxy color 89.6943, 0.3811, 0.4361.

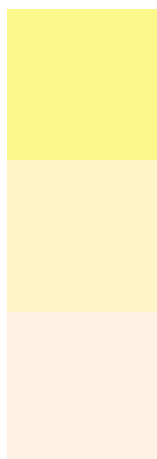


This preview shows how white text looks on a background with the Yxy color 89.6943, 0.3811, 0.4361.

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

89.6943, 0.3811, 0.4361

Protanopia

89.5313, 0.3477, 0.3719

Deuteranopia

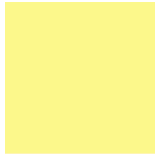
89.7166, 0.3308, 0.3428



Tritanopia

89.8326, 0.3171, 0.3193

Trichromacy



Original Color

89.6943, 0.3811, 0.4361



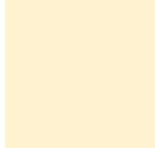
Protanomaly

89.5900, 0.3605, 0.3960



Deuteranomaly

89.7123, 0.3500, 0.3780



Tritanomaly

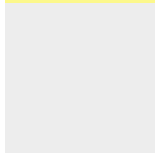
89.1785, 0.3414, 0.3619

Monochromacy



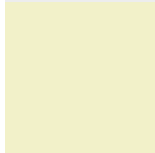
Original Color

89.6943, 0.3811, 0.4361



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.0049, 0.3384, 0.3702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6943, 0.3811, 0.4361 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(252, 248, 139)` looks like.

```
.text, #text, p{  
    color:rgb(252, 248, 139)  
}
```

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(252, 248, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 248, 139) }
```

Border

The CSS property to change the border of an element to Yxy 89.6943, 0.3811, 0.4361 is called "border". The border property can be set on classes, ids or directly on the HTML element.

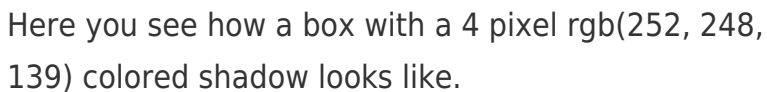
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(252, 248, 139) }
```

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

```
.border{ border-color:rgb(252, 248, 139) }
```

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



Here you see how a box with a 4 pixel `rgb(252, 248, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 248, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 248, 139);  
box-shadow:4px 4px 4px 4px rgb(252, 248,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6943, 0.3811, 0.4361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 248, 139) }
```

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

```
.background{ background-color: rgb(252,  
248, 139) }
```

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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