

Converting Colors

$Y_{xy}(102.5485, 0.4290, 0.4272)$

Have a look what the booklet for
Yxy(102.5485, 0.4290, 0.4272)
contains.

| | |
|--|----|
| Yxy(89.9271, 0.3896, 0.4455) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(89.9271, 0.3896, 0.4455)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFF87F |
| RGB | 255, 248, 127 |
| RGB Percent | 100%, 97%, 50% |
| CMY | 0.0000, 0.0274, 0.5020 |
| CMYK | 0.00, 0.03, 0.50, 0.00 |
| HSL | 57°, 100%, 75% |
| HSV | 57°, 50%, 100% |
| XYZ | 78.6433, 89.9271, 33.2861 |
| YIQ | 236.2990, 43.0130, -36.1470 |

Conversions

Conversions Part 2

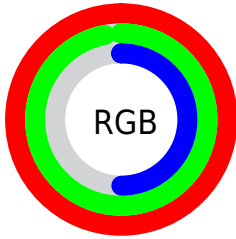
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 134, 255, 127 |
| Decimal | 16775295 |
| CIE _{Lab} | 95.97, -13.21, 58.32 |
| CIE _{LCh} | 96, 59.794, 102.766 |
| Yxy | 89.9271, 0.3896, 0.4455 |
| Android (android.graphics.Color) | 4294965375 (0xFFFFFFFF87F) |
| YUV | 236.2990, -53.8844, 16.4008 |
| Hunter-Lab | 94.8299, -17.9206, 45.5696 |

Details

The Yxy color **89.9271, 0.3896, 0.4455** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **28.7778, 0.2175, 0.1772**, and the grayscale version is **84.5166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1574, 0.3561, 0.4008**, and **49.9161, 0.4024, 0.4691** is the 20% darker color. If you saturate the color by 10%, you get **88.4902, 0.4024, 0.4640**, and if you desaturate by 10%, it is **91.5388, 0.3751, 0.4242**.

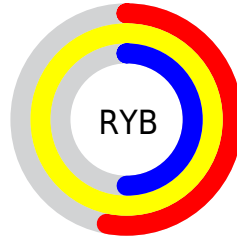
Distribution



Red (100%)

Green (97%)

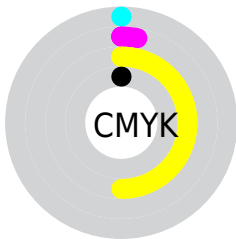
Blue (50%)



Red (53%)

Yellow (100%)

Blue (50%)

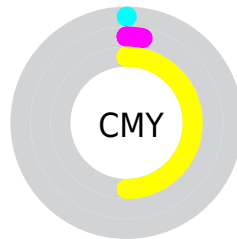


Cyan (0%)

Magenta (3%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.9271, 0.3896, 0.4455 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 89.9271, 0.3896, 0.4455 by changing the saturation by 10% instead.


 89.9271, 0.3896,
0.4455

 89.9271, 0.3896,
0.4455


527.7937, 0.3580,
0.3943


 67.9202, 0.3956,
0.4561


 147.2371, 0.3796,
0.4285

 49.8328, 0.4024,
0.4687


 183.3090, 0.3754,
0.4217

 35.2806, 0.4099,
0.4835


 224.8380, 0.3717,
0.4157

 23.8791, 0.4178,
0.5009

272.2086, 0.3683,
0.4104

 15.2439, 0.4255,
0.5213

325.8050, 0.3653,
0.4057

 8.9908, 0.4350,
0.5492


386.0117, 0.3626,


 4.7352, 0.4309,


0.4015


0.5691


453.2132, 0.3602,
0.3977


 2.0927, 0.4126,
0.5874


 0.6605, 0.3161,
0.6839


 89.9271, 0.3896,
0.4455


 89.9271, 0.3896,
0.4455


 88.4902, 0.4024,
0.4640


 91.5388, 0.3751,
0.4242


 87.2149, 0.4131,
0.4787


 93.3366, 0.3596,
0.4010

 86.0863, 0.4212,
0.4892

 95.3312, 0.3438,
0.3770

 85.0868, 0.4265,
0.4951

 97.5324, 0.3281,
0.3529

 84.2045, 0.4294,
0.4973

99.9492, 0.3130,
0.3295

100.0000, 0.3127,
0.3290

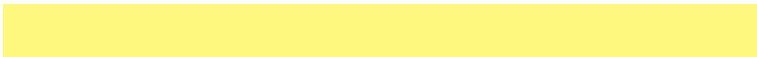
Harmonies

Analogous

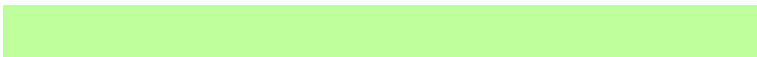
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9271, 0.4342, 0.4100



89.9271, 0.3896, 0.4455



89.9271, 0.3271, 0.4480

Triad

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



89.9271, 0.3896, 0.4455



89.9271, 0.1959, 0.2744



89.9271, 0.3549, 0.2669

Complementary

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



89.9271, 0.3896, 0.4455



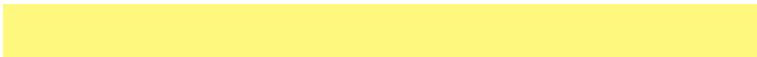
28.7778, 0.2175, 0.1772

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.



89.9271, 0.2867, 0.2367



89.9271, 0.3896, 0.4455



89.9271, 0.2014, 0.2370

Square

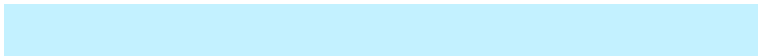
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.9271, 0.3896, 0.4455



89.9271, 0.2172, 0.3363



89.9271, 0.2324, 0.2255



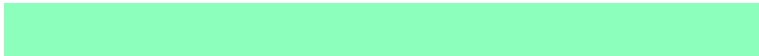
89.9271, 0.4158, 0.3107

Rectangle

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



89.9271, 0.3896, 0.4455



89.9271, 0.2840, 0.4241



89.9271, 0.2324, 0.2255



89.9271, 0.3317, 0.2550

Sweetspot

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



89.9272, 0.3896, 0.4455



96.4496, 0.3356, 0.3644



38.1997, 0.4469, 0.3207



20.5457, 0.3389, 0.3695



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.



89.9272, 0.3896, 0.4455



88.5174, 0.4022, 0.4637



85.2665, 0.3482, 0.4691



20.9104, 0.3270, 0.3512



44.0724, 0.4292, 0.4974



4.3411, 0.4280, 0.4984

Inverse Universe

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



28.7778, 0.2175, 0.1772



21.2757, 0.1975, 0.1441



32.3968, 0.2560, 0.1842



17.5370, 0.2978, 0.3058



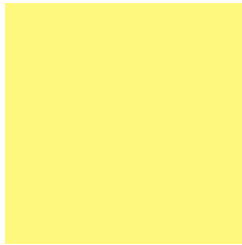
3.9997, 0.1509, 0.0632



0.4430, 0.1530, 0.0709

Previews

White Background



This preview shows how the Yxy color 89.9271, 0.3896, 0.4455 looks on a white background.

Color Contrast Check

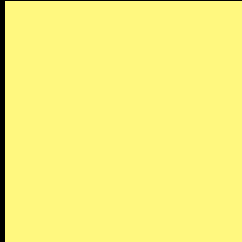
Large Text (above 18pt) WCAG AA × Fail

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 89.9271, 0.3896, 0.4455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

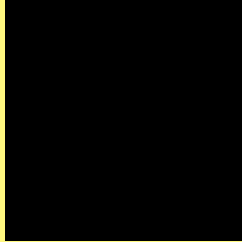
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.9271, 0.3896, 0.4455

Background



This preview shows how black text looks on a background with the Yxy color 89.9271, 0.3896, 0.4455.

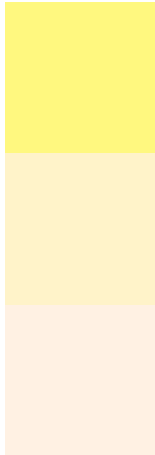


This preview shows how white text looks on a background with the Yxy color 89.9271, 0.3896, 0.4455.

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

89.9271, 0.3896, 0.4455

Protanopia

89.5782, 0.3471, 0.3709

Deuteranopia

89.7166, 0.3308, 0.3428



Tritanopia

89.7703, 0.3177, 0.3203

Trichromacy



Original Color

89.9271, 0.3896, 0.4455



Protanomaly

89.6208, 0.3637, 0.3997



Deuteranomaly

89.7230, 0.3532, 0.3819



Tritanomaly

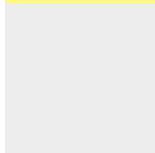
89.1239, 0.3453, 0.3669

Monochromacy



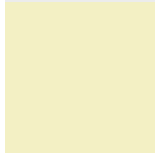
Original Color

89.9271, 0.3896, 0.4455



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.3604, 0.3424, 0.3743

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.9271, 0.3896, 0.4455 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, 248, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 127)  
}
```

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, 248, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 127) }
```

Border

The CSS property to change the border of an element to Yxy 89.9271, 0.3896, 0.4455 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, 248, 127) }
```

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

```
.border{ border-color:rgb(255, 248, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 248, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 248, 127); box-shadow:4px 4px 4px 4px rgb(255, 248, 127) }
```


Background

The CSS property to change the background color of an element to Yxy 89.9271, 0.3896, 0.4455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 127) }
```

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

```
.background{ background-color: rgb(255,  
248, 127) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor