

Converting Colors

$Yxy(89.8633, 0.3893, 0.4449)$

Have a look what the booklet for
Yxy(89.8633, 0.3893, 0.4449)
contains.

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Color

Yxy(89.9533, 0.3891, 0.4447)

Conversions

Conversions Part 1

Format	Color
Hex	FFF880
RGB	255, 248, 128
RGB Percent	100%, 97%, 50%
CMY	0.0000, 0.0274, 0.4982
CMYK	0.00, 0.03, 0.50, 0.00
HSL	57°, 100%, 75%
HSV	57°, 50%, 100%
XYZ	78.7066, 89.9533, 33.6187
YIQ	236.4130, 42.6920, -35.8360

Conversions

Conversions Part 2

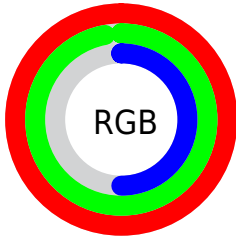
Format	Color
R_{YB}	135, 255, 128
Decimal	16775296
CIE _{Lab}	95.98, -13.13, 57.89
CIE _{LCh}	96, 59.358, 102.783
Yxy	89.9533, 0.3891, 0.4447
Android (android.graphics.Color)	4294965376 (0xFFFFFFFF880)
YUV	236.4130, -53.4476, 16.3008
Hunter-Lab	94.8437, -17.8472, 45.3744

Details

The Yxy color **89.9533, 0.3891, 0.4447** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **29.1192, 0.2183, 0.1786**, and the grayscale version is **84.6033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1989, 0.3556, 0.3998**, and **49.9294, 0.4018, 0.4682** is the 20% darker color. If you saturate the color by 10%, you get **88.5042, 0.4020, 0.4633**, and if you desaturate by 10%, it is **91.5781, 0.3745, 0.4233**.

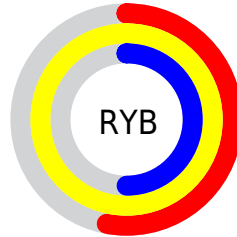
Distribution



Red (100%)

Green (97%)

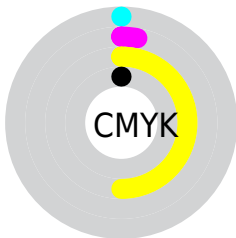
Blue (50%)



Red (53%)

Yellow (100%)

Blue (50%)

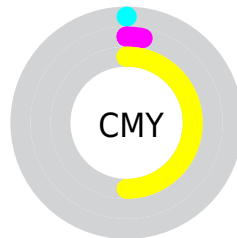


Cyan (0%)

Magenta (3%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.9533, 0.3891, 0.4447 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 89.9533, 0.3891, 0.4447 by changing the saturation by 10% instead.


 89.9533, 0.3891,
0.4447


 89.9533, 0.3891,
0.4447


527.8789, 0.3576,
0.3938


 67.9419, 0.3951,
0.4553


 147.2735, 0.3791,
0.4278

 49.8505, 0.4019,
0.4678


 183.3511, 0.3749,
0.4210

 35.2946, 0.4093,
0.4825


 224.8863, 0.3712,
0.4151

 23.8899, 0.4174,
0.5000

272.2634, 0.3679,
0.4098

 15.2520, 0.4251,
0.5203

325.8668, 0.3650,
0.4051

 8.9964, 0.4344,
0.5479

386.0809, 0.3623,

 4.7388, 0.4312,

0.4010

0.5688

453.2902, 0.3598,
0.3972

■ 2.0949, 0.4131,
0.5869

■ 0.6617, 0.3179,
0.6821

■ 89.9533, 0.3891,
0.4447

■ 89.9533, 0.3891,
0.4447

■ 88.5042, 0.4020,
0.4633

■ 91.5781, 0.3745,
0.4233

■ 87.2172, 0.4128,
0.4782

■ 93.3893, 0.3590,
0.4001

■ 86.0775, 0.4210,
0.4888

■ 95.3979, 0.3432,
0.3760

■ 85.0678, 0.4264,
0.4949

■ 97.6134, 0.3275,
0.3520

■ 84.1598, 0.4294,
0.4972

100.0000, 0.3127,
0.3290

■ 84.1441, 0.4295,
0.4972

Harmonies

Analogous

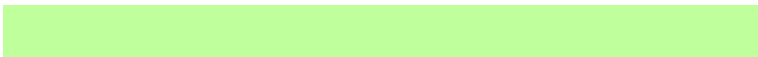
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9533, 0.4333, 0.4095



89.9533, 0.3891, 0.4447



89.9533, 0.3270, 0.4470

Triad

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



89.9533, 0.3891, 0.4447



89.9533, 0.1967, 0.2748



89.9533, 0.3546, 0.2674

Complementary

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



89.9533, 0.3891, 0.4447



29.1192, 0.2183, 0.1786

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.



89.9533, 0.2869, 0.2373



89.9533, 0.3891, 0.4447



89.9533, 0.2021, 0.2377

Square

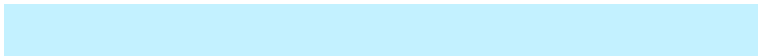
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.9533, 0.3891, 0.4447



89.9533, 0.2178, 0.3362



89.9533, 0.2330, 0.2262



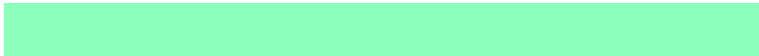
89.9533, 0.4151, 0.3109

Rectangle

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



89.9533, 0.3891, 0.4447



89.9533, 0.2842, 0.4233



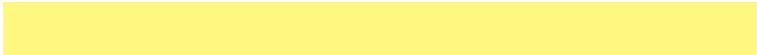
89.9533, 0.2330, 0.2262



89.9533, 0.3316, 0.2555

Sweetspot

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



89.9536, 0.3891, 0.4447



96.4400, 0.3356, 0.3644



38.4753, 0.4454, 0.3207



20.5433, 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.



89.9536, 0.3891, 0.4447



88.4801, 0.4022, 0.4636



85.3491, 0.3480, 0.4681



20.9091, 0.3271, 0.3512



44.0414, 0.4293, 0.4973



4.3384, 0.4280, 0.4983

Inverse Universe

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



29.1192, 0.2183, 0.1786



21.2890, 0.1975, 0.1442



32.7138, 0.2566, 0.1853



17.5382, 0.2978, 0.3058



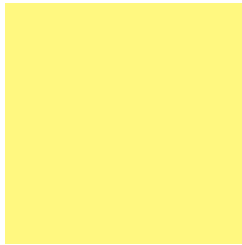
4.0014, 0.1509, 0.0633



0.4435, 0.1531, 0.0710

Previews

White Background



This preview shows how the Yxy color 89.9533, 0.3891, 0.4447 looks on a white background.

Color Contrast Check

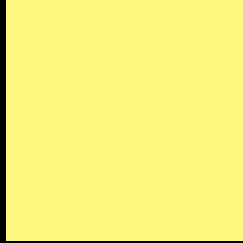
Large Text (above 18pt) WCAG AA × Fail

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 89.9533, 0.3891, 0.4447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

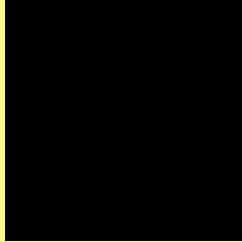
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.9533, 0.3891, 0.4447

Background



This preview shows how black text looks on a background with the Yxy color 89.9533, 0.3891, 0.4447.



This preview shows how white text looks on a background with the Yxy color 89.9533, 0.3891, 0.4447.

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

89.9533, 0.3891, 0.4447

Protanopia

89.5782, 0.3471, 0.3709

Deuteranopia

89.7166, 0.3308, 0.3428



Tritanopia

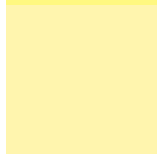
89.7703, 0.3177, 0.3203

Trichromacy



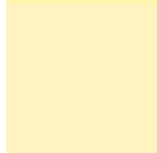
Original Color

89.9533, 0.3891, 0.4447



Protanomaly

89.6208, 0.3637, 0.3997



Deuteranomaly

89.7230, 0.3532, 0.3819



Tritanomaly

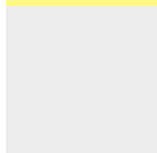
89.1239, 0.3453, 0.3669

Monochromacy



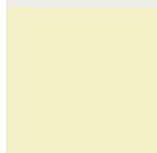
Original Color

89.9533, 0.3891, 0.4447



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 89.9533, 0.3891, 0.4447 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 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, 248, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 128) }
```

Border

The CSS property to change the border of an element to Yxy 89.9533, 0.3891, 0.4447 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, 128) }
```

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

```
.border{ border-color:rgb(255, 248, 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, 248, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 89.9533, 0.3891, 0.4447 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, 128) }
```

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

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