

Converting Colors

$Y_{xy}(100.0000, 0.4233, 0.4229)$

Have a look what the booklet for
Yxy(100.0000, 0.4233, 0.4229)
contains.

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Color

Yxy(88.8650, 0.3873, 0.4388)

Conversions

Conversions Part 1

Format	Color
Hex	FFF685
RGB	255, 246, 133
RGB Percent	100%, 96%, 52%
CMY	0.0000, 0.0353, 0.4783
CMYK	0.00, 0.04, 0.48, 0.00
HSL	56°, 100%, 76%
HSV	56°, 48%, 100%
XYZ	78.4353, 88.8650, 35.2179
YIQ	235.8090, 41.6370, -33.2350

Conversions

Conversions Part 2

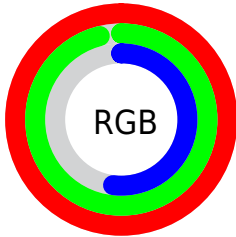
Format	Color
R _Y B	143, 255, 133
Decimal	16774789
CIE Lab	95.52, -11.72, 55.00
CIE LCh	96, 56.230, 102.030
Yxy	88.8650, 0.3873, 0.4388
Android (android.graphics.Color)	4294964869 (0xFFFFF685)
YUV	235.8090, -50.6848, 16.8305
Hunter-Lab	94.2682, -16.4496, 43.8375

Details

The Yxy color **88.8650, 0.3873, 0.4388** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **31.5630, 0.2230, 0.1882**, and the grayscale version is **84.1001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4108, 0.3526, 0.3949**, and **49.1419, 0.3999, 0.4610** is the 20% darker color. If you saturate the color by 10%, you get **87.1056, 0.4011, 0.4578**, and if you desaturate by 10%, it is **90.8090, 0.3721, 0.4172**.

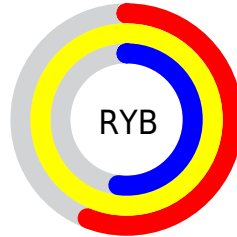
Distribution



Red (100%)

Green (96%)

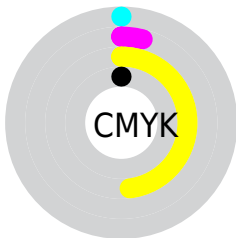
Blue (52%)



Red (56%)

Yellow (100%)

Blue (52%)

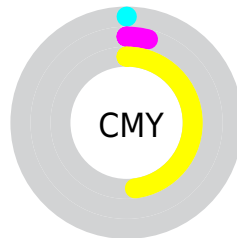


Cyan (0%)

Magenta (4%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (4%)

Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.8650, 0.3873, 0.4388 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 88.8650, 0.3873, 0.4388 by changing the saturation by 10% instead.


 88.8650, 0.3873,
0.4388

 88.8650, 0.3873,
0.4388


524.3318, 0.3562,
0.3903


 67.0397, 0.3934,
0.4490


 145.7608, 0.3773,
0.4227

 49.1169, 0.4002,
0.4610


 181.6001, 0.3732,
0.4162

 34.7122, 0.4080,
0.4753


 222.8795, 0.3695,
0.4105

 23.4413, 0.4166,
0.4923

269.9834, 0.3663,
0.4055

 14.9197, 0.4253,
0.5124

323.2961, 0.3634,
0.4011

 8.7630, 0.4348,
0.5383

383.2022, 0.3607,

 4.5869, 0.4368,

0.3971

0.5632

450.0860, 0.3584,
0.3936

■ 2.0070, 0.4203,
0.5797

■ 0.6115, 0.3255,
0.6745

■ 88.8650, 0.3873,
0.4388

■ 88.8650, 0.3873,
0.4388

■ 87.1056, 0.4011,
0.4578

■ 90.8090, 0.3721,
0.4172

■ 85.5153, 0.4128,
0.4733

■ 92.9461, 0.3562,
0.3941

■ 84.0807, 0.4221,
0.4846

■ 95.2876, 0.3402,
0.3704

■ 82.7848, 0.4286,
0.4914

■ 97.8431, 0.3245,
0.3469

■ 81.6050, 0.4325,
0.4940

100.0000, 0.3127,
0.3290

■ 81.3575, 0.4331,
0.4943

Harmonies

Analogous

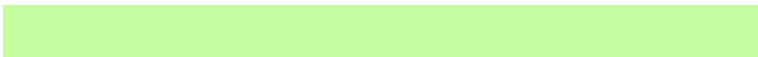
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8650, 0.4286, 0.4054



88.8650, 0.3873, 0.4388



88.8650, 0.3284, 0.4412

Triad

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



88.8650, 0.3873, 0.4388



88.8650, 0.2018, 0.2789



88.8650, 0.3511, 0.2692

Complementary

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



88.8650, 0.3873, 0.4388



31.5630, 0.2230, 0.1882

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.



88.8650, 0.2868, 0.2407



88.8650, 0.3873, 0.4388



88.8650, 0.2064, 0.2424

Square

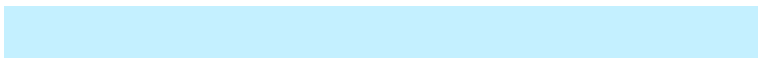
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.8650, 0.3873, 0.4388



88.8650, 0.2230, 0.3378



88.8650, 0.2356, 0.2305



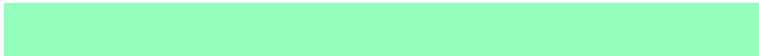
88.8650, 0.4089, 0.3108

Rectangle

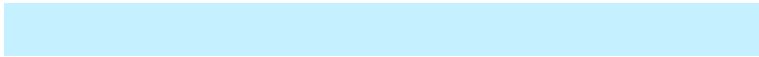
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.8650, 0.3873, 0.4388



88.8650, 0.2874, 0.4193



88.8650, 0.2356, 0.2305



88.8650, 0.3292, 0.2579

Sweetspot

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



88.8660, 0.3873, 0.4388



96.2411, 0.3341, 0.3613



40.0317, 0.4349, 0.3189



20.4838, 0.3375, 0.3664



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

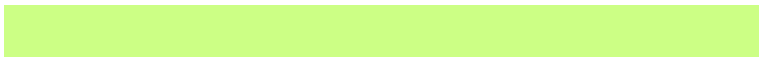
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.8660, 0.3873, 0.4388



87.2455, 0.4000, 0.4564



86.0768, 0.3484, 0.4617



20.8477, 0.3271, 0.3508



42.6080, 0.4329, 0.4945



4.2143, 0.4312, 0.4959

Inverse Universe

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



31.5630, 0.2230, 0.1882



24.0358, 0.2041, 0.1573



34.1745, 0.2578, 0.1908



17.5929, 0.2978, 0.3062



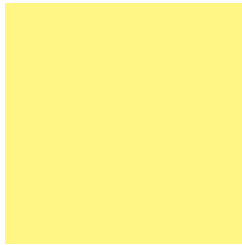
4.0897, 0.1513, 0.0645



0.4694, 0.1541, 0.0746

Previews

White Background



This preview shows how the Yxy color 88.8650, 0.3873, 0.4388 looks on a white background.

Color Contrast Check

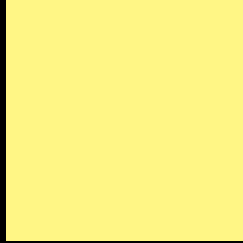
Large Text (above 18pt) WCAG AA × Fail

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 88.8650, 0.3873, 0.4388 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 88.8650, 0.3873, 0.4388

Background



This preview shows how black text looks on a background with the Yxy color 88.8650, 0.3873, 0.4388.

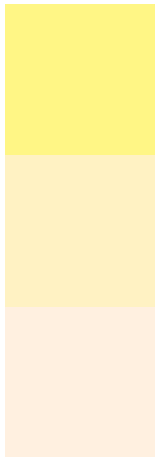


This preview shows how white text looks on a background with the Yxy color 88.8650, 0.3873, 0.4388.

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

88.8650, 0.3873, 0.4388

Protanopia

88.7044, 0.3511, 0.3760

Deuteranopia

88.9620, 0.3328, 0.3448



Tritanopia

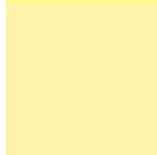
88.4822, 0.3191, 0.3203

Trichromacy



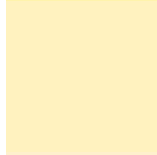
Original Color

88.8650, 0.3873, 0.4388



Protanomaly

88.3397, 0.3655, 0.3999



Deuteranomaly

88.5258, 0.3537, 0.3800



Tritanomaly

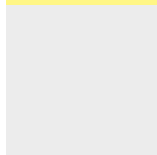
87.9880, 0.3451, 0.3640

Monochromacy



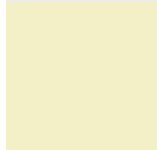
Original Color

88.8650, 0.3873, 0.4388



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.4984, 0.3405, 0.3712

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.8650, 0.3873, 0.4388 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, 246, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 133)  
}
```

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, 246, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 133) }
```

Border

The CSS property to change the border of an element to Yxy 88.8650, 0.3873, 0.4388 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, 246, 133) }
```

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

```
.border{ border-color:rgb(255, 246, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 88.8650, 0.3873, 0.4388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 133) }
```

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

```
.background{ background-color: rgb(255,  
246, 133) }
```

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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