

Converting Colors

$Y_{xy}(100.6005, 0.4316, 0.4298)$

Have a look what the booklet for
Yxy(100.6005, 0.4316, 0.4298)
contains.

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Color

Yxy(88.5767, 0.3931, 0.4480)

Conversions

Conversions Part 1

Format	Color
Hex	FFF67A
RGB	255, 246, 122
RGB Percent	100%, 96%, 48%
CMY	0.0000, 0.0353, 0.5215
CMYK	0.00, 0.04, 0.52, 0.00
HSL	56°, 100%, 74%
HSV	56°, 52%, 100%
XYZ	77.7221, 88.5767, 31.4170
YIQ	234.5550, 45.1680, -36.6560

Conversions

Conversions Part 2

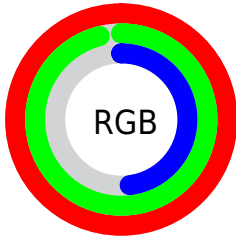
Format	Color
RYB	132, 255, 122
Decimal	16774778
CIELab	95.40, -12.62, 59.92
CIElCh	95, 61.231, 101.899
Yxy	88.5767, 0.3931, 0.4480
Android (android.graphics.Color)	4294964858 (0xFFFFF67A)
YUV	234.5550, -55.4896, 17.9303
Hunter-Lab	94.1152, -17.2929, 46.0888

Details

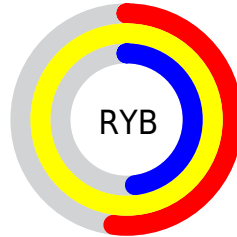
The Yxy color **88.5767, 0.3931, 0.4480** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **27.5979, 0.2138, 0.1726**, and the grayscale version is **83.1225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9543, 0.3591, 0.4057**, and **48.9800, 0.4064, 0.4714** is the 20% darker color. If you saturate the color by 10%, you get **86.9746, 0.4059, 0.4657**, and if you desaturate by 10%, it is **90.3450, 0.3785, 0.4273**.

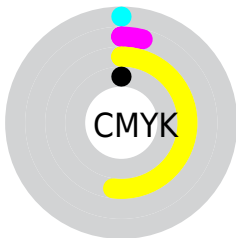
Distribution



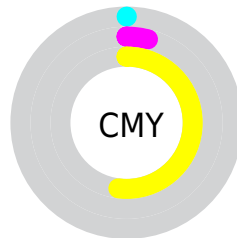
- Red (100%)
- Green (96%)
- Blue (48%)



- Red (52%)
- Yellow (100%)
- Blue (48%)



- Cyan (0%)
- Magenta (4%)
- Yellow (52%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.5767, 0.3931, 0.4480 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 88.5767, 0.3931, 0.4480 by changing the saturation by 10% instead.


 88.5767, 0.3931,
0.4480


 88.5767, 0.3931,
0.4480


523.3900, 0.3600,
0.3958

 66.8008, 0.3994,
0.4588


 145.3598, 0.3826,
0.4307

 48.9227, 0.4064,
0.4714


 181.1357, 0.3783,
0.4238

 34.5582, 0.4141,
0.4863


 222.3471, 0.3744,
0.4176

 23.3228, 0.4222,
0.5036

269.3784, 0.3709,
0.4122

 14.8320, 0.4298,
0.5236

322.6139, 0.3677,
0.4074

 8.7016, 0.4413,
0.5537


382.4381, 0.3649,


 4.5470, 0.4327,


0.4031


0.5673

449.2353, 0.3624,
0.3993

 1.9840, 0.4147,
0.5853


 0.5982, 0.3033,
0.6967


 88.5767, 0.3931,
0.4480


 88.5767, 0.3931,
0.4480


 86.9746, 0.4059,
0.4657


 90.3450, 0.3785,
0.4273


 85.5394, 0.4165,
0.4795

 92.3054, 0.3630,
0.4047

 84.2513, 0.4243,
0.4889

 94.4640, 0.3470,
0.3810

 83.0916, 0.4295,
0.4939

 96.8308, 0.3312,
0.3572

■ 82.2497, 0.4319,
0.4952

■ 99.4150, 0.3159,
0.3339

100.0000, 0.3127,
0.3290

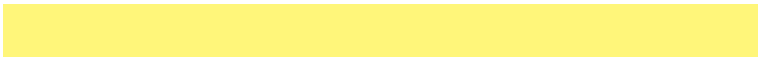
Harmonies

Analogous

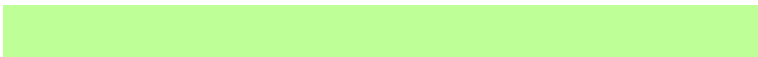
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.5767, 0.4383, 0.4104



88.5767, 0.3931, 0.4480



88.5767, 0.3292, 0.4523

Triad

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



88.5767, 0.3931, 0.4480



88.5767, 0.1932, 0.2742



88.5767, 0.3539, 0.2642

Complementary

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



88.5767, 0.3931, 0.4480



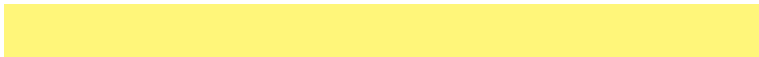
27.5979, 0.2138, 0.1726

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.



88.5767, 0.2840, 0.2338



88.5767, 0.3931, 0.4480



88.5767, 0.1981, 0.2353

Square

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



88.5767, 0.3931, 0.4480



88.5767, 0.2156, 0.3384



88.5767, 0.2290, 0.2229



88.5767, 0.4174, 0.3086

Rectangle

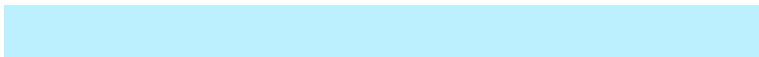
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.5767, 0.3931, 0.4480



88.5767, 0.2848, 0.4287



88.5767, 0.2290, 0.2229



88.5767, 0.3300, 0.2522

Sweetspot

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



88.5720, 0.3931, 0.4480



95.8945, 0.3372, 0.3663



36.8792, 0.4525, 0.3182



20.4210, 0.3405, 0.3712



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.



88.5720, 0.3931, 0.4480



86.8465, 0.4069, 0.4670



85.1485, 0.3506, 0.4739



20.8675, 0.3271, 0.3509



43.0670, 0.4317, 0.4954



4.2541, 0.4301, 0.4967

Inverse Universe

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



27.5979, 0.2138, 0.1726



19.7688, 0.1922, 0.1368



30.5402, 0.2514, 0.1776



17.5752, 0.2978, 0.3061



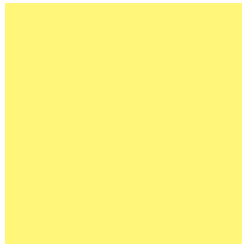
4.0593, 0.1511, 0.0641



0.4611, 0.1537, 0.0734

Previews

White Background



This preview shows how the Yxy color 88.5767, 0.3931, 0.4480 looks on a white background.

Color Contrast Check

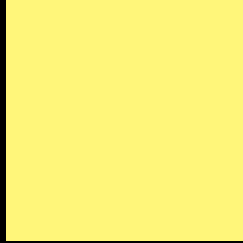
Large Text (above 18pt) WCAG AA × Fail

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 88.5767, 0.3931, 0.4480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

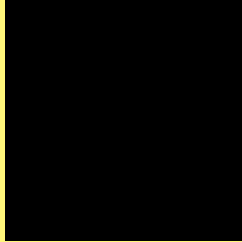
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.5767, 0.3931, 0.4480

Background



This preview shows how black text looks on a background with the Yxy color 88.5767, 0.3931, 0.4480.



This preview shows how white text looks on a background with the Yxy color 88.5767, 0.3931, 0.4480.

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

88.5767, 0.3931, 0.4480

Protanopia

88.5700, 0.3531, 0.3790

Deuteranopia

88.2669, 0.3342, 0.3459



Tritanopia

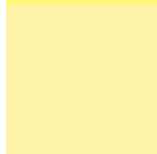
88.4822, 0.3191, 0.3203

Trichromacy



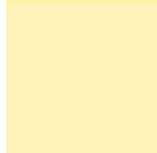
Original Color

88.5767, 0.3931, 0.4480



Protanomaly

88.1512, 0.3686, 0.4048



Deuteranomaly

88.3094, 0.3569, 0.3850



Tritanomaly

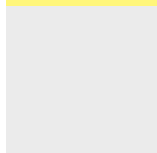
87.7972, 0.3477, 0.3680

Monochromacy



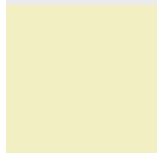
Original Color

88.5767, 0.3931, 0.4480



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.5053, 0.3432, 0.3756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.5767, 0.3931, 0.4480 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 122) }
```

Border

The CSS property to change the border of an element to Yxy 88.5767, 0.3931, 0.4480 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, 122) }
```

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

```
.border{ border-color:rgb(255, 246, 122) }
```

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, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 88.5767, 0.3931, 0.4480 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, 122) }
```

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

```
.background{ background-color: rgb(255,  
246, 122) }
```

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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