

Converting Colors

$Y_{xy}(121.7980, 0.4726, 0.4049)$

Have a look what the booklet for
Yxy(121.7980, 0.4726, 0.4049)
contains.

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Color

Yxy(88.7565, 0.3894, 0.4422)

Conversions

Conversions Part 1

Format	Color
Hex	FFF681
RGB	255, 246, 129
RGB Percent	100%, 96%, 51%
CMY	0.0000, 0.0353, 0.4939
CMYK	0.00, 0.04, 0.49, 0.00
HSL	56°, 100%, 75%
HSV	56°, 49%, 100%
XYZ	78.1587, 88.7565, 33.8005
YIQ	235.3530, 42.9210, -34.4790

Conversions

Conversions Part 2

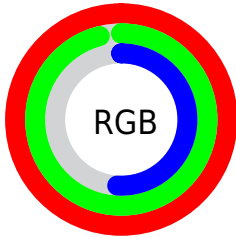
Format	Color
R _Y B	139, 255, 129
Decimal	16774785
CIE Lab	95.48, -12.08, 56.78
CIE LCh	95, 58.054, 102.006
Yxy	88.7565, 0.3894, 0.4422
Android (android.graphics.Color)	4294964865 (0xFFFFFFFF681)
YUV	235.3530, -52.4320, 17.2304
Hunter-Lab	94.2107, -16.7822, 44.6756

Details

The Yxy color **88.7565, 0.3894, 0.4422** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **30.0803, 0.2197, 0.1825**, and the grayscale version is **83.7494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2407, 0.3550, 0.3988**, and **49.0845, 0.4021, 0.4646** is the 20% darker color. If you saturate the color by 10%, you get **87.0634, 0.4028, 0.4608**, and if you desaturate by 10%, it is **90.6379, 0.3744, 0.4209**.

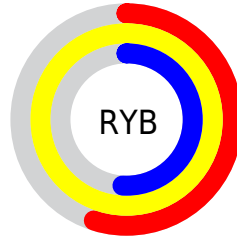
Distribution



Red (100%)

Green (96%)

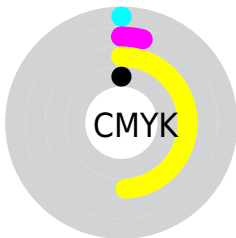
Blue (51%)



Red (55%)

Yellow (100%)

Blue (51%)

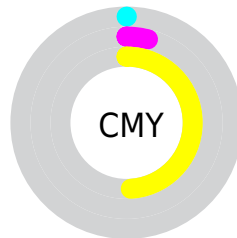


Cyan (0%)

Magenta (4%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (4%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.7565, 0.3894, 0.4422 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 88.7565, 0.3894, 0.4422 by changing the saturation by 10% instead.


 88.7565, 0.3894,
0.4422


 88.7565, 0.3894,
0.4422


523.9774, 0.3576,
0.3923

 66.9498, 0.3955,
0.4526

 145.6099, 0.3792,
0.4256

 49.0438, 0.4025,
0.4649


 181.4254, 0.3750,
0.4190

 34.6542, 0.4102,
0.4794


 222.6792, 0.3713,
0.4131

 23.3966, 0.4186,
0.4966


269.7557, 0.3679,
0.4080

 14.8867, 0.4270,
0.5167

323.0395, 0.3649,
0.4034

 8.7399, 0.4370,
0.5439

382.9147, 0.3622,

 4.5719, 0.4352,

0.3993

0.5648

449.7659, 0.3598,
0.3957

■ 1.9983, 0.4181,
0.5819

■ 0.6065, 0.3171,
0.6829

■ 88.7565, 0.3894,
0.4422

■ 88.7565, 0.3894,
0.4422

■ 87.0634, 0.4028,
0.4608

■ 90.6379, 0.3744,
0.4209

■ 85.5333, 0.4142,
0.4757

■ 92.7067, 0.3587,
0.3979

■ 84.1557, 0.4230,
0.4863

■ 94.9776, 0.3427,
0.3742

■ 82.9132, 0.4289,
0.4924

■ 97.4604, 0.3269,
0.3506

■ 81.7790, 0.4325,
0.4946

99.9982, 0.3127,
0.3290

■ 81.7111, 0.4326,
0.4947

Harmonies

Analogous

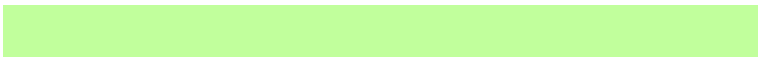
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7565, 0.4321, 0.4073



88.7565, 0.3894, 0.4422



88.7565, 0.3286, 0.4452

Triad

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



88.7565, 0.3894, 0.4422



88.7565, 0.1986, 0.2771



88.7565, 0.3522, 0.2674

Complementary

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



88.7565, 0.3894, 0.4422



30.0803, 0.2197, 0.1825

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.



88.7565, 0.2858, 0.2382



88.7565, 0.3894, 0.4422



88.7565, 0.2033, 0.2398

Square

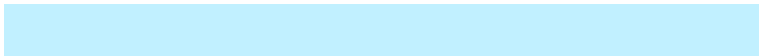
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.7565, 0.3894, 0.4422



88.7565, 0.2203, 0.3380



88.7565, 0.2332, 0.2277



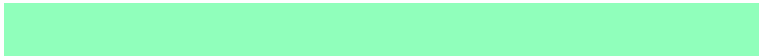
88.7565, 0.4120, 0.3101

Rectangle

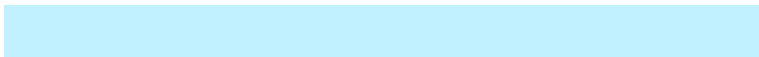
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.7565, 0.3894, 0.4422



88.7565, 0.2864, 0.4227



88.7565, 0.2332, 0.2277



88.7565, 0.3296, 0.2558

Sweetspot

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



88.7606, 0.3894, 0.4422



96.0481, 0.3357, 0.3638



38.8545, 0.4411, 0.3186



20.4479, 0.3390, 0.3688



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.



88.7606, 0.3894, 0.4422



87.1331, 0.4024, 0.4601



85.7297, 0.3492, 0.4662



20.8557, 0.3271, 0.3508



42.7933, 0.4324, 0.4949



4.2304, 0.4307, 0.4962

Inverse Universe

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



30.0803, 0.2197, 0.1825



22.5221, 0.2001, 0.1503



32.8234, 0.2555, 0.1860



17.5857, 0.2978, 0.3062



4.0772, 0.1512, 0.0643



0.4660, 0.1539, 0.0741

Previews

White Background



This preview shows how the Yxy color 88.7565, 0.3894, 0.4422 looks on a white background.

Color Contrast Check

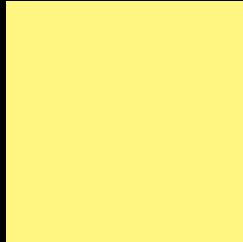
Large Text (above 18pt) WCAG AA × Fail

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 88.7565, 0.3894, 0.4422 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 88.7565, 0.3894, 0.4422

Background



This preview shows how black text looks on a background with the Yxy color 88.7565, 0.3894, 0.4422.



This preview shows how white text looks on a background with the Yxy color 88.7565, 0.3894, 0.4422.

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

88.7565, 0.3894, 0.4422

Protanopia

88.6593, 0.3518, 0.3770

Deuteranopia

88.9079, 0.3334, 0.3458



Tritanopia

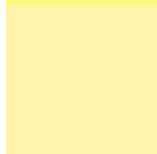
88.4822, 0.3191, 0.3203

Trichromacy



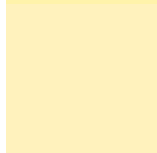
Original Color

88.7565, 0.3894, 0.4422



Protanomaly

88.2635, 0.3667, 0.4019



Deuteranomaly

88.4384, 0.3550, 0.3820



Tritanomaly

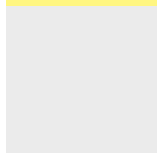
87.8920, 0.3464, 0.3660

Monochromacy



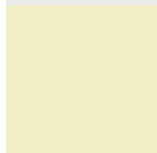
Original Color

88.7565, 0.3894, 0.4422



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.5958, 0.3419, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.7565, 0.3894, 0.4422 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, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 129)  
}
```

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, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 129) }
```

Border

The CSS property to change the border of an element to Yxy 88.7565, 0.3894, 0.4422 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, 129) }
```

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

```
.border{ border-color:rgb(255, 246, 129) }
```

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, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 88.7565, 0.3894, 0.4422 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, 129) }
```

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

```
.background{ background-color: rgb(255,  
246, 129) }
```

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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