

Converting Colors

$Y_{xy}(93.0705, 0.4010, 0.4365)$

Have a look what the booklet for
Yxy(93.0705, 0.4010, 0.4365)
contains.

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Color

Yxy(89.3932, 0.3885, 0.4422)

Conversions

Conversions Part 1

Format	Color
Hex	FFF782
RGB	255, 247, 130
RGB Percent	100%, 97%, 51%
CMY	0.0000, 0.0314, 0.4903
CMYK	0.00, 0.03, 0.49, 0.00
HSL	56°, 100%, 75%
HSV	56°, 49%, 100%
XYZ	78.5374, 89.3932, 34.2249
YIQ	236.0540, 42.3250, -34.6910

Conversions

Conversions Part 2

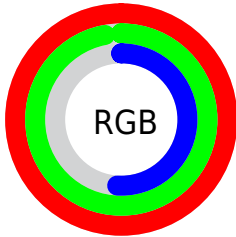
Format	Color
R _Y B	139, 255, 130
Decimal	16775042
CIE Lab	95.74, -12.47, 56.68
CIE LCh	96, 58.033, 102.405
Yxy	89.3932, 0.3885, 0.4422
Android (android.graphics.Color)	4294965122 (0xFFFFF782)
YUV	236.0540, -52.2846, 16.6156
Hunter-Lab	94.5480, -17.1857, 44.7215

Details

The Yxy color **89.3932, 0.3885, 0.4422** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **30.1349, 0.2203, 0.1827**, and the grayscale version is **84.3041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2828, 0.3544, 0.3979**, and **49.5332, 0.4009, 0.4647** is the 20% darker color. If you saturate the color by 10%, you get **87.7954, 0.4018, 0.4610**, and if you desaturate by 10%, it is **91.1654, 0.3736, 0.4207**.

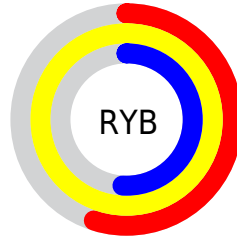
Distribution



Red (100%)

Green (97%)

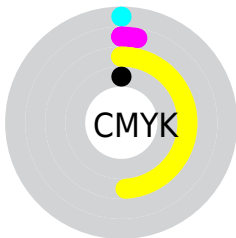
Blue (51%)



Red (55%)

Yellow (100%)

Blue (51%)

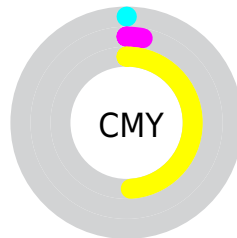


Cyan (0%)

Magenta (3%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.3932, 0.3885, 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 89.3932, 0.3885, 0.4422 by changing the saturation by 10% instead.


 89.3932, 0.3885,
0.4422

 89.3932, 0.3885,
0.4422


526.0550, 0.3571,
0.3923

 67.4775, 0.3945,
0.4526

 146.4952, 0.3785,
0.4256

 49.4728, 0.4014,
0.4649


 182.4503, 0.3743,
0.4190

 34.9946, 0.4090,
0.4794


 223.8540, 0.3706,
0.4131

 23.6588, 0.4173,
0.4967

271.0907, 0.3673,
0.4080

 15.0807, 0.4255,
0.5170

324.5447, 0.3644,
0.4034

 8.8760, 0.4350,
0.5438


384.6005, 0.3617,


 4.6604, 0.4338,


0.3993


0.5662


451.6425, 0.3593,
0.3957


 2.0494, 0.4164,
0.5836


 0.6360, 0.3206,
0.6794

 89.3932, 0.3885,
0.4422


 89.3932, 0.3885,
0.4422


 87.7954, 0.4018,
0.4610


 91.1654, 0.3736,
0.4207


 86.3652, 0.4130,
0.4761

 93.1294, 0.3580,
0.3976

 85.0860, 0.4217,
0.4870

 95.2938, 0.3420,
0.3737

 83.9405, 0.4275,
0.4933

 97.6682, 0.3263,
0.3499

■ 82.9030, 0.4309,
0.4957

100.0000, 0.3127,
0.3290

■ 82.8049, 0.4312,
0.4958

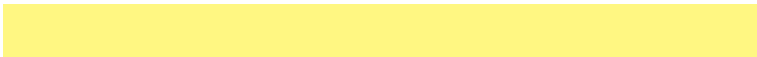
Harmonies

Analogous

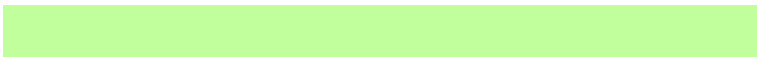
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3932, 0.4314, 0.4077



89.3932, 0.3885, 0.4422



89.3932, 0.3277, 0.4446

Triad

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



89.3932, 0.3885, 0.4422



89.3932, 0.1988, 0.2766



89.3932, 0.3530, 0.2680

Complementary

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



89.3932, 0.3885, 0.4422



30.1349, 0.2203, 0.1827

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.



89.3932, 0.2867, 0.2386



89.3932, 0.3885, 0.4422



89.3932, 0.2038, 0.2397

Square

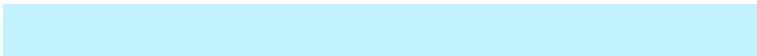
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.3932, 0.3885, 0.4422



89.3932, 0.2200, 0.3370



89.3932, 0.2340, 0.2280



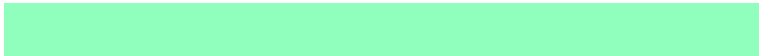
89.3932, 0.4124, 0.3108

Rectangle

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



89.3932, 0.3885, 0.4422



89.3932, 0.2857, 0.4218



89.3932, 0.2340, 0.2280



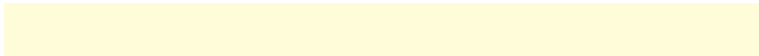
89.3932, 0.3304, 0.2564

Sweetspot

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



89.3912, 0.3885, 0.4422



96.2246, 0.3356, 0.3641



39.0630, 0.4421, 0.3208



20.4909, 0.3390, 0.3691



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.



89.3912, 0.3885, 0.4422



87.7998, 0.4018, 0.4609



85.5241, 0.3476, 0.4658



20.8798, 0.3271, 0.3510



43.3526, 0.4310, 0.4960



4.2788, 0.4295, 0.4972

Inverse Universe

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



30.1349, 0.2203, 0.1827



22.2713, 0.1998, 0.1490



33.3883, 0.2577, 0.1877



17.5643, 0.2978, 0.3060



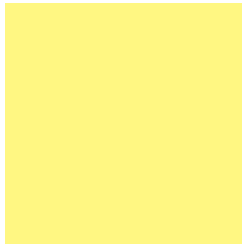
4.0414, 0.1511, 0.0638



0.4559, 0.1535, 0.0727

Previews

White Background



This preview shows how the Yxy color 89.3932, 0.3885, 0.4422 looks on a white background.

Color Contrast Check

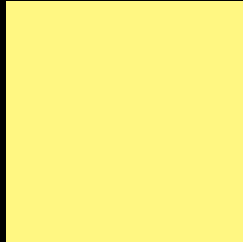
Large Text (above 18pt) WCAG AA × Fail

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 89.3932, 0.3885, 0.4422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

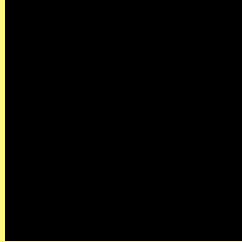
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.3932, 0.3885, 0.4422

Background



This preview shows how black text looks on a background with the Yxy color 89.3932, 0.3885, 0.4422.

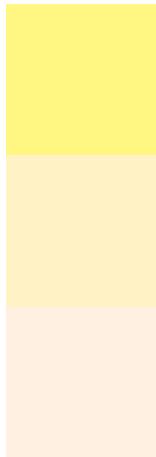


This preview shows how white text looks on a background with the Yxy color 89.3932, 0.3885, 0.4422.

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

89.3932, 0.3885, 0.4422

Protanopia

89.4384, 0.3490, 0.3739

Deuteranopia

89.0164, 0.3322, 0.3438



Tritanopia

89.1245, 0.3184, 0.3203

Trichromacy



Original Color

89.3932, 0.3885, 0.4422



Protanomaly

88.9785, 0.3646, 0.3998



Deuteranomaly

89.0789, 0.3541, 0.3820



Tritanomaly

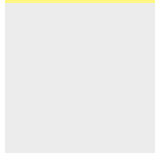
88.5302, 0.3455, 0.3659

Monochromacy



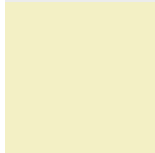
Original Color

89.3932, 0.3885, 0.4422



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 89.3932, 0.3885, 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, 247, 130)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 130)  
}
```

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, 247, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 130) }
```

Border

The CSS property to change the border of an element to Yxy 89.3932, 0.3885, 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, 247, 130) }
```

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

```
.border{ border-color:rgb(255, 247, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 130);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 89.3932, 0.3885, 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, 247, 130) }
```

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

```
.background{ background-color: rgb(255,  
247, 130) }
```

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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