

Converting Colors

$Yxy(90.8149, 0.3850, 0.4397)$

Have a look what the booklet for
Yxy(90.8149, 0.3850, 0.4397)
contains.

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Color

Yxy(90.7606, 0.3849, 0.4395)

Conversions

Conversions Part 1

Format	Color
Hex	FFF987
RGB	255, 249, 135
RGB Percent	100%, 98%, 53%
CMY	0.0001, 0.0235, 0.4704
CMYK	0.00, 0.02, 0.47, 0.00
HSL	57°, 100%, 76%
HSV	57°, 47%, 100%
XYZ	79.4852, 90.7606, 36.2629
YIQ	237.7980, 40.1700, -34.1820

Conversions

Conversions Part 2

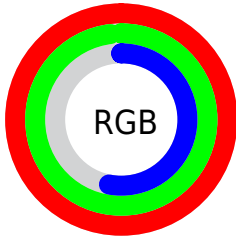
Format	Color
R _Y B	141, 255, 135
Decimal	16775559
CIE Lab	96.31, -13.03, 55.01
CIE LCh	96, 56.530, 103.326
Yxy	90.7606, 0.3849, 0.4395
Android (android.graphics.Color)	4294965639 (0xFFFFF987)
YUV	237.7980, -50.6794, 15.0862
Hunter-Lab	95.2684, -17.7918, 44.1197

Details

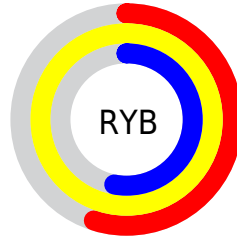
The Yxy color **90.7606, 0.3849, 0.4395** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **31.4236, 0.2241, 0.1874**, and the grayscale version is **85.7148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4977, 0.3514, 0.3929**, and **50.4849, 0.3967, 0.4620** is the 20% darker color. If you saturate the color by 10%, you get **89.3485, 0.3982, 0.4590**, and if you desaturate by 10%, it is **92.3584, 0.3701, 0.4174**.

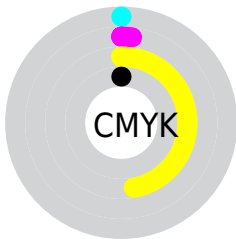
Distribution



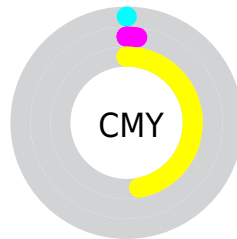
- Red (100%)
- Green (98%)
- Blue (53%)



- Red (55%)
- Yellow (100%)
- Blue (53%)



- Cyan (0%)
- Magenta (2%)
- Yellow (47%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.7606, 0.3849, 0.4395 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 90.7606, 0.3849, 0.4395 by changing the saturation by 10% instead.


 90.7606, 0.3849,
0.4395


 90.7606, 0.3849,
0.4395

530.5020, 0.3550,
0.3908

 68.6117, 0.3907,
0.4497

 148.3945, 0.3753,
0.4233

 50.3955, 0.3972,
0.4618


 184.6481, 0.3714,
0.4167

 35.7278, 0.4046,
0.4763


 226.3722, 0.3679,
0.4110

 24.2240, 0.4127,
0.4935

273.9510, 0.3647,
0.4060

 15.4999, 0.4209,
0.5141

327.7690, 0.3619,
0.4015

 9.1710, 0.4291,
0.5397

388.2106, 0.3594,

 4.8529, 0.4321,

0.3976

0.5679

455.6601, 0.3571,
0.3940

■ 2.1612, 0.4145,
0.5855

■ 0.6987, 0.3312,
0.6688

■ 90.7606, 0.3849,
0.4395

■ 90.7606, 0.3849,
0.4395

■ 89.3485, 0.3982,
0.4590

■ 92.3584, 0.3701,
0.4174

■ 88.0970, 0.4095,
0.4751

■ 94.1405, 0.3546,
0.3938

■ 86.9961, 0.4183,
0.4870

■ 96.1214, 0.3388,
0.3695

■ 86.0292, 0.4243,
0.4944

■ 98.3107, 0.3233,
0.3455

■ 85.1750, 0.4277,
0.4975

99.9962, 0.3127,
0.3290

■ 84.9343, 0.4285,
0.4980

Harmonies

Analogous

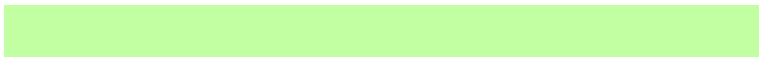
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7606, 0.4272, 0.4071



90.7606, 0.3849, 0.4395



90.7606, 0.3256, 0.4402

Triad

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



90.7606, 0.3849, 0.4395



90.7606, 0.2017, 0.2769



90.7606, 0.3538, 0.2708

Complementary

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



90.7606, 0.3849, 0.4395



31.4236, 0.2241, 0.1874

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.



90.7606, 0.2894, 0.2417



90.7606, 0.3849, 0.4395



90.7606, 0.2073, 0.2416

Square

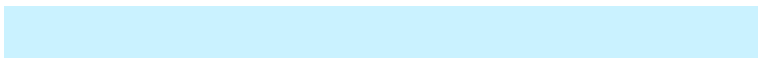
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.7606, 0.3849, 0.4395



90.7606, 0.2217, 0.3349



90.7606, 0.2375, 0.2307



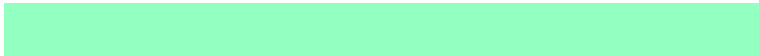
90.7606, 0.4107, 0.3129

Rectangle

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



90.7606, 0.3849, 0.4395



90.7606, 0.2849, 0.4171



90.7606, 0.2375, 0.2307



90.7606, 0.3320, 0.2594

Sweetspot

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



90.7648, 0.3849, 0.4395



96.7821, 0.3340, 0.3621



40.5182, 0.4364, 0.3232



20.6172, 0.3374, 0.3674



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.



90.7648, 0.3849, 0.4395



89.5041, 0.3969, 0.4572



85.6755, 0.3453, 0.4607



20.9266, 0.3270, 0.3513



44.4556, 0.4283, 0.4981



4.3742, 0.4272, 0.4990

Inverse Universe

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



31.4236, 0.2241, 0.1874



23.9444, 0.2053, 0.1566



35.3768, 0.2621, 0.1944



17.5226, 0.2978, 0.3056



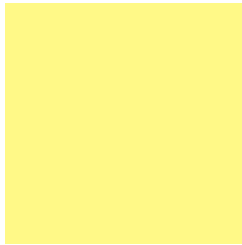
3.9792, 0.1508, 0.0629



0.4362, 0.1528, 0.0699

Previews

White Background



This preview shows how the Yxy color 90.7606, 0.3849, 0.4395 looks on a white background.

Color Contrast Check

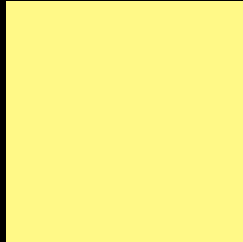
Large Text (above 18pt) WCAG AA × Fail

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 90.7606, 0.3849, 0.4395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

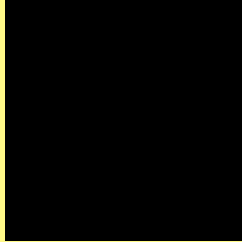
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.7606, 0.3849, 0.4395

Background



This preview shows how black text looks on a background with the Yxy color 90.7606, 0.3849, 0.4395.

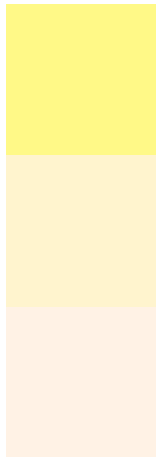


This preview shows how white text looks on a background with the Yxy color 90.7606, 0.3849, 0.4395.

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

90.7606, 0.3849, 0.4395

Protanopia

90.4176, 0.3437, 0.3668

Deuteranopia

90.4214, 0.3294, 0.3418



Tritanopia

90.4197, 0.3171, 0.3203

Trichromacy



Original Color

90.7606, 0.3849, 0.4395



Protanomaly

90.4668, 0.3597, 0.3947



Deuteranomaly

90.5049, 0.3505, 0.3788



Tritanomaly

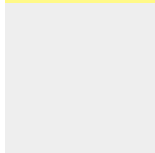
89.9153, 0.3426, 0.3638

Monochromacy



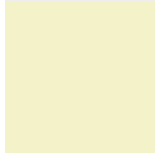
Original Color

90.7606, 0.3849, 0.4395



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

86.9544, 0.3396, 0.3710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.7606, 0.3849, 0.4395 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, 249, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 135)  
}
```

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, 249, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 135) }
```

Border

The CSS property to change the border of an element to Yxy 90.7606, 0.3849, 0.4395 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, 249, 135) }
```

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

```
.border{ border-color:rgb(255, 249, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 249, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 249, 135); box-shadow:4px 4px 4px 4px rgb(255, 249, 135) }
```


Background

The CSS property to change the background color of an element to Yxy 90.7606, 0.3849, 0.4395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 135) }
```

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

```
.background{ background-color: rgb(255,  
249, 135) }
```

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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