

Converting Colors

$Yxy(98.8706, 0.4079, 0.4211)$

Have a look what the booklet for
Yxy(98.8706, 0.4079, 0.4211)
contains.

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Color

Yxy(90.9945, 0.3806, 0.4325)

Conversions

Conversions Part 1

Format	Color
Hex	FFF98F
RGB	255, 249, 143
RGB Percent	100%, 98%, 56%
CMY	0.0000, 0.0235, 0.4393
CMYK	0.00, 0.02, 0.44, 0.00
HSL	57°, 100%, 78%
HSV	57°, 44%, 100%
XYZ	80.0752, 90.9945, 39.3222
YIQ	238.7100, 37.6020, -31.6940

Conversions

Conversions Part 2

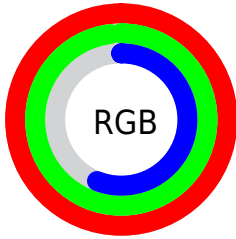
Format	Color
R _Y B	149, 255, 143
Decimal	16775567
CIE Lab	96.41, -12.28, 51.38
CIE LCh	96, 52.828, 103.445
Yxy	90.9945, 0.3806, 0.4325
Android (android.graphics.Color)	4294965647 (0xFFFFF98F)
YUV	238.7100, -47.1850, 14.2863
Hunter-Lab	95.3910, -17.0941, 42.3331

Details

The Yxy color **90.9945, 0.3806, 0.4325** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **34.5465, 0.2308, 0.1987**, and the grayscale version is **86.4311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8572, 0.3466, 0.3850**, and **50.6139, 0.3920, 0.4542** is the 20% darker color. If you saturate the color by 10%, you get **89.4692, 0.3945, 0.4529**, and if you desaturate by 10%, it is **92.7062, 0.3654, 0.4099**.

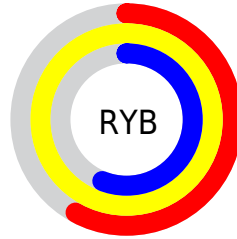
Distribution



Red (100%)

Green (98%)

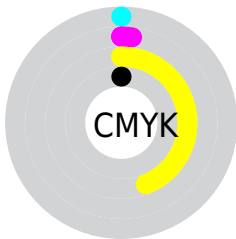
Blue (56%)



Red (58%)

Yellow (100%)

Blue (56%)

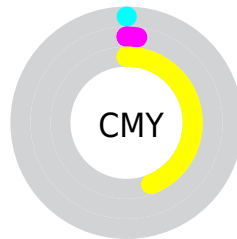


Cyan (0%)

Magenta (2%)

Yellow (44%)

Black (0%)



Cyan (0%)

Magenta (2%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.9945, 0.3806, 0.4325 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 90.9945, 0.3806, 0.4325 by changing the saturation by 10% instead.


 90.9945, 0.3806,
0.4325


 90.9945, 0.3806,
0.4325


531.2606, 0.3522,
0.3867

 68.8058, 0.3862,
0.4422


 148.7190, 0.3715,
0.4172

 50.5535, 0.3926,
0.4538


 185.0236, 0.3677,
0.4110

 35.8534, 0.3999,
0.4676


226.8023, 0.3644,
0.4057

 24.3210, 0.4082,
0.4844

274.4394, 0.3614,
0.4010

 15.5719, 0.4169,
0.5047

328.3194, 0.3587,
0.3968

 9.2217, 0.4252,
0.5291

388.8267, 0.3563,

 4.8861, 0.4355,

0.3930

0.5645

456.3457, 0.3542,
0.3897

■ 2.1806, 0.4190,
0.5810

■ 0.7094, 0.3455,
0.6545

■ 90.9945, 0.3806,
0.4325

■ 90.9945, 0.3806,
0.4325

■ 89.4692, 0.3945,
0.4529

■ 92.7062, 0.3654,
0.4099

■ 88.1112, 0.4066,
0.4701

■ 94.6083, 0.3497,
0.3860

■ 86.9094, 0.4163,
0.4833

■ 96.7131, 0.3339,
0.3618

■ 85.8479, 0.4233,
0.4920

■ 99.0300, 0.3186,
0.3381

■ 84.9075, 0.4276, 100.0000, 0.3127,
0.4964 0.3290

■ 84.3789, 0.4292,
0.4974

Harmonies

Analogous

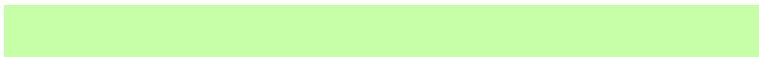
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9945, 0.4200, 0.4031



90.9945, 0.3806, 0.4325



90.9945, 0.3251, 0.4321

Triad

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



90.9945, 0.3806, 0.4325



90.9945, 0.2082, 0.2805



90.9945, 0.3515, 0.2745

Complementary

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



90.9945, 0.3806, 0.4325



34.5465, 0.2308, 0.1987

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.



90.9945, 0.2914, 0.2468



90.9945, 0.3806, 0.4325



90.9945, 0.2135, 0.2470

Square

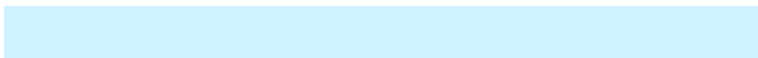
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.9945, 0.3806, 0.4325



90.9945, 0.2272, 0.3346



90.9945, 0.2423, 0.2364



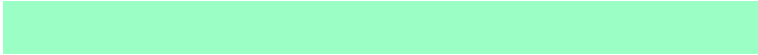
90.9945, 0.4043, 0.3144

Rectangle

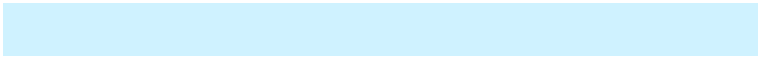
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.9945, 0.3806, 0.4325



90.9945, 0.2868, 0.4105



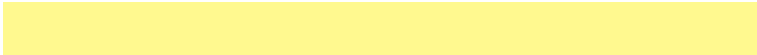
90.9945, 0.2423, 0.2364



90.9945, 0.3312, 0.2636

Sweetspot

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



90.9968, 0.3806, 0.4325



96.9190, 0.3325, 0.3596



43.1166, 0.4221, 0.3215



20.6405, 0.3359, 0.3649



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.



90.9968, 0.3806, 0.4325



89.6036, 0.3933, 0.4511



86.6904, 0.3449, 0.4510



20.9142, 0.3270, 0.3513



44.1621, 0.4290, 0.4976



4.3489, 0.4278, 0.4985

Inverse Universe

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



34.5465, 0.2308, 0.1987



26.4027, 0.2116, 0.1674



38.0045, 0.2649, 0.2034



17.5336, 0.2978, 0.3057



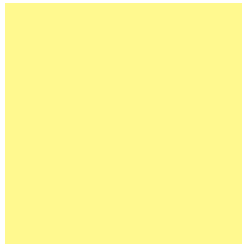
3.9948, 0.1509, 0.0632



0.4414, 0.1530, 0.0707

Previews

White Background



This preview shows how the Yxy color 90.9945, 0.3806, 0.4325 looks on a white background.

Color Contrast Check

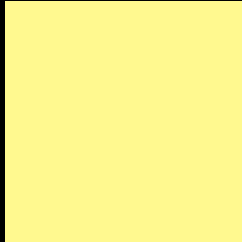
Large Text (above 18pt) WCAG AA × Fail

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 90.9945, 0.3806, 0.4325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

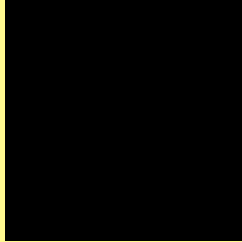
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.9945, 0.3806, 0.4325

Background



This preview shows how black text looks on a background with the Yxy color 90.9945, 0.3806, 0.4325.

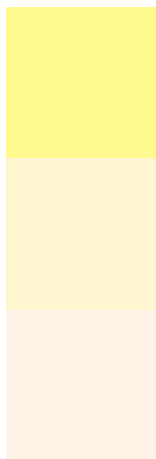


This preview shows how white text looks on a background with the Yxy color 90.9945, 0.3806, 0.4325.

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

90.9945, 0.3806, 0.4325

Protanopia

91.1189, 0.3423, 0.3657

Deuteranopia

91.1307, 0.3280, 0.3408



Tritanopia

91.0101, 0.3170, 0.3213

Trichromacy



Original Color

90.9945, 0.3806, 0.4325



Protanomaly

90.6322, 0.3572, 0.3907



Deuteranomaly

90.6883, 0.3480, 0.3748



Tritanomaly

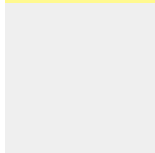
90.6145, 0.3412, 0.3627

Monochromacy



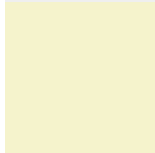
Original Color

90.9945, 0.3806, 0.4325



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

87.8733, 0.3382, 0.3687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.9945, 0.3806, 0.4325 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, 143)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 143)  
}
```

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, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 143) }
```

Border

The CSS property to change the border of an element to Yxy 90.9945, 0.3806, 0.4325 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, 143) }
```

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

```
.border{ border-color:rgb(255, 249, 143) }
```

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, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 143);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 90.9945, 0.3806, 0.4325 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, 143) }
```

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

```
.background{ background-color: rgb(255,  
249, 143) }
```

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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