

Converting Colors

$Yxy(94.9805, 0.3980, 0.4319)$

Have a look what the booklet for
Yxy(94.9805, 0.3980, 0.4319)
contains.

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Color

Yxy(90.8175, 0.3839, 0.4378)

Conversions

Conversions Part 1

Format	Color
Hex	FFF989
RGB	255, 249, 137
RGB Percent	100%, 98%, 54%
CMY	0.0000, 0.0235, 0.4629
CMYK	0.00, 0.02, 0.46, 0.00
HSL	57°, 100%, 77%
HSV	57°, 46%, 100%
XYZ	79.6365, 90.8175, 36.9867
YIQ	238.0260, 39.5280, -33.5600

Conversions

Conversions Part 2

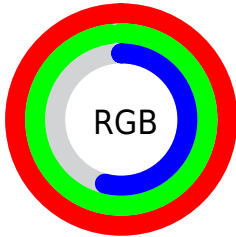
Format	Color
R _Y B	143, 255, 137
Decimal	16775561
CIE Lab	96.33, -12.83, 54.13
CIE LCh	96, 55.633, 103.337
Yxy	90.8175, 0.3839, 0.4378
Android (android.graphics.Color)	4294965641 (0xFFFFF989)
YUV	238.0260, -49.8058, 14.8862
Hunter-Lab	95.2982, -17.6074, 43.6974

Details

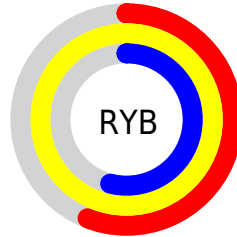
The Yxy color **90.8175, 0.3839, 0.4378** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **32.1717, 0.2257, 0.1902**, and the grayscale version is **85.8879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5858, 0.3502, 0.3910**, and **50.5158, 0.3956, 0.4601** is the 20% darker color. If you saturate the color by 10%, you get **89.3708, 0.3974, 0.4576**, and if you desaturate by 10%, it is **92.4409, 0.3690, 0.4156**.

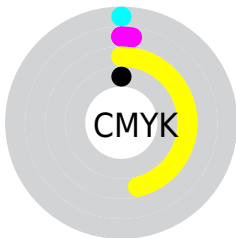
Distribution



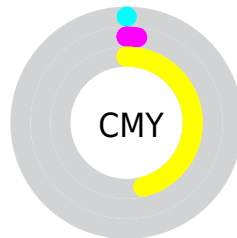
- Red (100%)
- Green (98%)
- Blue (54%)



- Red (56%)
- Yellow (100%)
- Blue (54%)



- Cyan (0%)
- Magenta (2%)
- Yellow (46%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.8175, 0.3839, 0.4378 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 90.8175, 0.3839, 0.4378 by changing the saturation by 10% instead.


 90.8175, 0.3839,
0.4378


 90.8175, 0.3839,
0.4378


530.6866, 0.3543,
0.3898


 68.6589, 0.3896,
0.4479


 148.4734, 0.3744,
0.4218

 50.4339, 0.3962,
0.4599


 184.7395, 0.3705,
0.4153

 35.7583, 0.4036,
0.4742


 226.4769, 0.3670,
0.4097

 24.2476, 0.4117,
0.4913

274.0699, 0.3639,
0.4048

 15.5174, 0.4200,
0.5118

327.9030, 0.3612,
0.4004

 9.1833, 0.4282,
0.5370


388.3605, 0.3587,


 4.8609, 0.4330,


0.3965


0.5670


455.8269, 0.3564,
0.3929


 2.1659, 0.4157,
0.5843


 0.7013, 0.3350,
0.6650


 90.8175, 0.3839,
0.4378


 90.8175, 0.3839,
0.4378


 89.3708, 0.3974,
0.4576


 92.4409, 0.3690,
0.4156


 88.0911, 0.4088,
0.4739

 94.2547, 0.3534,
0.3919

 86.9633, 0.4178,
0.4861

 96.2684, 0.3376,
0.3676

 85.9712, 0.4241,
0.4938

 98.4914, 0.3221,
0.3437

■ 85.0942, 0.4277,
0.4972

100.0000, 0.3127,
0.3290

■ 84.7864, 0.4287,
0.4978

Harmonies

Analogous

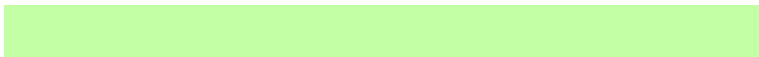
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8175, 0.4255, 0.4061



90.8175, 0.3839, 0.4378



90.8175, 0.3256, 0.4382

Triad

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



90.8175, 0.3839, 0.4378



90.8175, 0.2032, 0.2778



90.8175, 0.3532, 0.2717

Complementary

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



90.8175, 0.3839, 0.4378



32.1717, 0.2257, 0.1902

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.



90.8175, 0.2899, 0.2429



90.8175, 0.3839, 0.4378



90.8175, 0.2088, 0.2429

Square

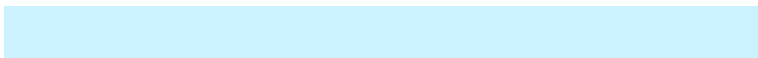
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.8175, 0.3839, 0.4378



90.8175, 0.2230, 0.3349



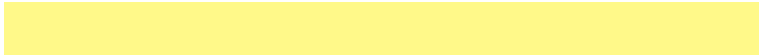
90.8175, 0.2386, 0.2321



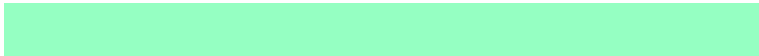
90.8175, 0.4091, 0.3132

Rectangle

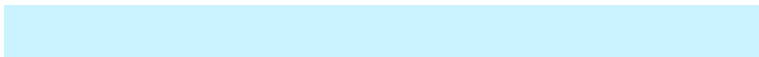
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.8175, 0.3839, 0.4378



90.8175, 0.2854, 0.4155



90.8175, 0.2386, 0.2321



90.8175, 0.3318, 0.2604

Sweetspot

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



90.8166, 0.3839, 0.4378



96.7578, 0.3340, 0.3621



41.1821, 0.4311, 0.3212



20.6112, 0.3374, 0.3673



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

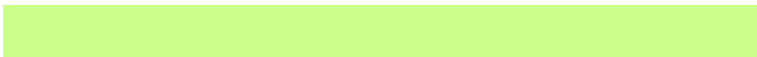
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.8166, 0.3839, 0.4378



89.4099, 0.3970, 0.4570



86.1420, 0.3462, 0.4579



20.9231, 0.3270, 0.3513



44.3717, 0.4285, 0.4980



4.3670, 0.4273, 0.4989

Inverse Universe

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



32.1717, 0.2257, 0.1902



23.9811, 0.2053, 0.1568



35.8089, 0.2616, 0.1961



17.5258, 0.2978, 0.3057



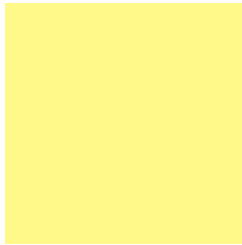
3.9837, 0.1509, 0.0630



0.4377, 0.1528, 0.0702

Previews

White Background



This preview shows how the Yxy color 90.8175, 0.3839, 0.4378 looks on a white background.

Color Contrast Check

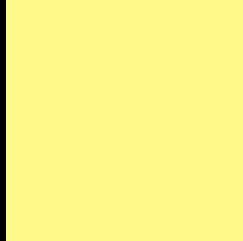
Large Text (above 18pt) WCAG AA × Fail

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 90.8175, 0.3839, 0.4378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

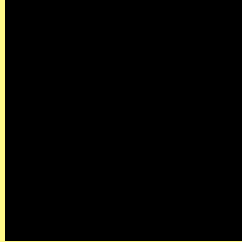
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.8175, 0.3839, 0.4378

Background



This preview shows how black text looks on a background with the Yxy color 90.8175, 0.3839, 0.4378.

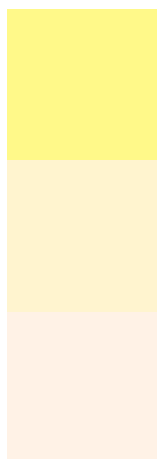


This preview shows how white text looks on a background with the Yxy color 90.8175, 0.3839, 0.4378.

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

90.8175, 0.3839, 0.4378

Protanopia

90.4664, 0.3431, 0.3658

Deuteranopia

90.4774, 0.3287, 0.3408



Tritanopia

90.4197, 0.3171, 0.3203

Trichromacy



Original Color

90.8175, 0.3839, 0.4378



Protanomaly

90.5489, 0.3584, 0.3927



Deuteranomaly

90.5503, 0.3499, 0.3778



Tritanomaly

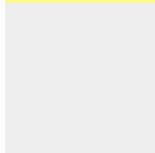
89.9153, 0.3426, 0.3638

Monochromacy



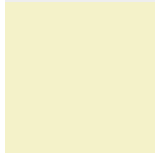
Original Color

90.8175, 0.3839, 0.4378



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 90.8175, 0.3839, 0.4378 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, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 137)  
}
```

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, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 137) }
```

Border

The CSS property to change the border of an element to Yxy 90.8175, 0.3839, 0.4378 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, 137) }
```

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

```
.border{ border-color:rgb(255, 249, 137) }
```

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, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 137);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 90.8175, 0.3839, 0.4378 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, 137) }
```

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

```
.background{ background-color: rgb(255,  
249, 137) }
```

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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