

Converting Colors

$Y_{xy}(94.9579, 0.4298, 0.4251)$

Have a look what the booklet for
Yxy(94.9579, 0.4298, 0.4251)
contains.

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Color

Yxy(84.4482, 0.3954, 0.4408)

Conversions

Conversions Part 1

Format	Color
Hex	FFEF7C
RGB	255, 239, 124
RGB Percent	100%, 94%, 49%
CMY	0.0000, 0.0627, 0.5137
CMYK	0.00, 0.06, 0.51, 0.00
HSL	53°, 100%, 74%
HSV	53°, 51%, 100%
XYZ	75.7505, 84.4482, 31.3807
YIQ	230.6740, 46.4510, -32.3730

Conversions

Conversions Part 2

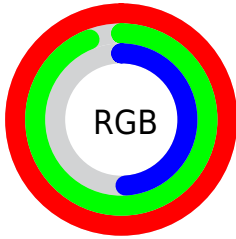
Format	Color
RYB	142, 255, 124
Decimal	16772988
CIELab	93.64, -9.03, 56.93
CIElCh	94, 57.646, 99.015
Yxy	84.4482, 0.3954, 0.4408
Android (android.graphics.Color)	4294963068 (0xFFFFEF7C)
YUV	230.6740, -52.5903, 21.3339
Hunter-Lab	91.8957, -13.6782, 44.0805

Details

The Yxy color **84.4482, 0.3954, 0.4408** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **30.2672, 0.2172, 0.1839**, and the grayscale version is **80.0290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0347, 0.3579, 0.4037**, and **46.0577, 0.4100, 0.4625** is the 20% darker color. If you saturate the color by 10%, you get **82.0763, 0.4099, 0.4581**, and if you desaturate by 10%, it is **87.0190, 0.3795, 0.4207**.

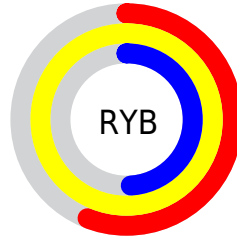
Distribution



Red (100%)

Green (94%)

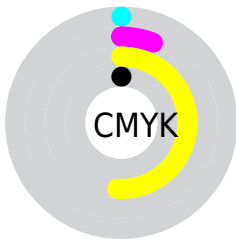
Blue (49%)



Red (56%)

Yellow (100%)

Blue (49%)

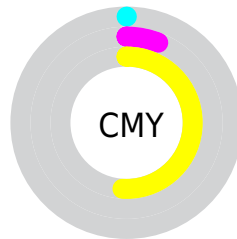


Cyan (0%)

Magenta (6%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.4482, 0.3954, 0.4408 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 84.4482, 0.3954, 0.4408 by changing the saturation by 10% instead.


 84.4482, 0.3954,
0.4408


 84.4482, 0.3954,
0.4408

509.8004, 0.3606,
0.3916


 63.3855, 0.4022,
0.4510

 139.6020, 0.3842,
0.4245

 46.1532, 0.4099,
0.4630


 174.4619, 0.3796,
0.4179

 32.3667, 0.4186,
0.4771


 214.6896, 0.3755,
0.4121

 21.6418, 0.4281,
0.4937

260.6697, 0.3718,
0.4070

 13.5939, 0.4377,
0.5127

312.7864, 0.3686,
0.4025

 7.8388, 0.4527,
0.5421

371.4241, 0.3656,

 3.9920, 0.4468,

0.3985

0.5532

436.9674, 0.3630,
0.3948

■ 1.6691, 0.4327,
0.5673

■ 0.4035, 0.2877,
0.7123

■ 84.4482, 0.3954,
0.4408

■ 84.4482, 0.3954,
0.4408

■ 82.0763, 0.4099,
0.4581

■ 87.0190, 0.3795,
0.4207

■ 79.8889, 0.4223,
0.4717

■ 89.7996, 0.3630,
0.3989

■ 77.8713, 0.4321,
0.4809

■ 92.8012, 0.3463,
0.3764

■ 76.0049, 0.4390,
0.4855

■ 96.0337, 0.3302,
0.3538

■ 74.4911, 0.4431,
0.4864

99.5064, 0.3147,
0.3319

100.0000, 0.3127,
0.3290

Harmonies

Analogous

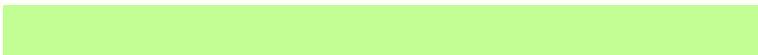
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4482, 0.4359, 0.4034



84.4482, 0.3954, 0.4408



84.4482, 0.3351, 0.4481

Triad

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



84.4482, 0.3954, 0.4408



84.4482, 0.1987, 0.2818



84.4482, 0.3457, 0.2632

Complementary

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



84.4482, 0.3954, 0.4408



30.2672, 0.2172, 0.1839

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.



84.4482, 0.2794, 0.2354



84.4482, 0.3954, 0.4408



84.4482, 0.2008, 0.2415

Square

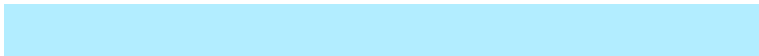
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.4482, 0.3954, 0.4408



84.4482, 0.2231, 0.3449



84.4482, 0.2284, 0.2270



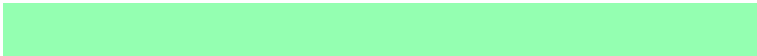
84.4482, 0.4080, 0.3051

Rectangle

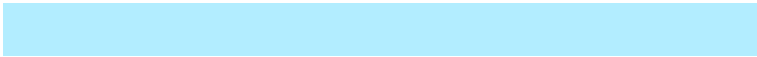
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.4482, 0.3954, 0.4408



84.4482, 0.2923, 0.4283



84.4482, 0.2284, 0.2270



84.4482, 0.3229, 0.2521

Sweetspot

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



84.4485, 0.3954, 0.4408



94.8318, 0.3360, 0.3620



37.6168, 0.4414, 0.3115



20.1517, 0.3394, 0.3667



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

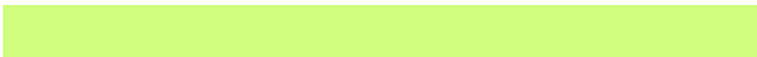
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4485, 0.3954, 0.4408



81.9323, 0.4107, 0.4591



86.2371, 0.3546, 0.4696



20.6896, 0.3272, 0.3497



39.0728, 0.4426, 0.4868



3.9064, 0.4396, 0.4892

Inverse Universe

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



30.2672, 0.2172, 0.1839



22.2957, 0.1964, 0.1497



30.4149, 0.2473, 0.1779



17.7351, 0.2979, 0.3075



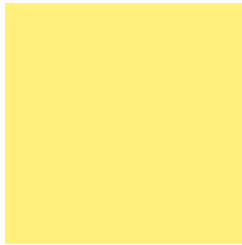
4.3999, 0.1525, 0.0688



0.5364, 0.1566, 0.0838

Previews

White Background



This preview shows how the Yxy color 84.4482, 0.3954, 0.4408 looks on a white background.

Color Contrast Check

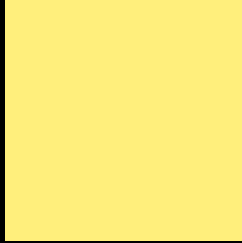
Large Text (above 18pt) WCAG AA × Fail

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 84.4482, 0.3954, 0.4408 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 84.4482, 0.3954, 0.4408

Background



This preview shows how black text looks on a background with the Yxy color 84.4482, 0.3954, 0.4408.

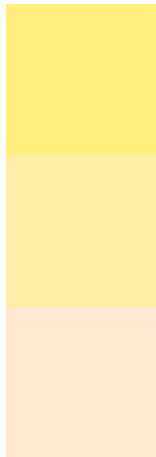


This preview shows how white text looks on a background with the Yxy color 84.4482, 0.3954, 0.4408.

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

84.4482, 0.3954, 0.4408

Protanopia

84.4727, 0.3731, 0.4033

Deuteranopia

84.1910, 0.3430, 0.3521



Tritanopia

84.2045, 0.3228, 0.3182

Trichromacy



Original Color

84.4482, 0.3954, 0.4408



Protanomaly

84.5790, 0.3814, 0.4177



Deuteranomaly

83.9313, 0.3633, 0.3855



Tritanomaly

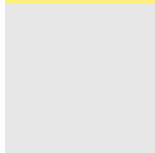
83.6150, 0.3511, 0.3643

Monochromacy



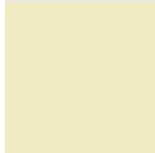
Original Color

84.4482, 0.3954, 0.4408



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

81.1767, 0.3440, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.4482, 0.3954, 0.4408 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, 239, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 124)  
}
```

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, 239, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 124) }
```

Border

The CSS property to change the border of an element to Yxy 84.4482, 0.3954, 0.4408 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, 239, 124) }
```

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

```
.border{ border-color:rgb(255, 239, 124) }
```

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

Here you see how a box with a 4 pixel rgb(255, 239, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4482, 0.3954, 0.4408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 124) }
```

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

```
.background{ background-color: rgb(255,  
239, 124) }
```

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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