

Converting Colors

$Yxy(85.7437, 0.4083, 0.4360)$

Have a look what the booklet for
Yxy(85.7437, 0.4083, 0.4360)
contains.

Yxy(83.2335, 0.3975, 0.4409)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(83.2335, 0.3975, 0.4409)

Conversions

Conversions Part 1

Format	Color
Hex	FFED7A
RGB	255, 237, 122
RGB Percent	100%, 93%, 48%
CMY	0.0000, 0.0706, 0.5217
CMYK	0.00, 0.07, 0.52, 0.00
HSL	52°, 100%, 74%
HSV	52°, 52%, 100%
XYZ	75.0404, 83.2335, 30.5070
YIQ	229.2720, 47.6430, -31.9490

Conversions

Conversions Part 2

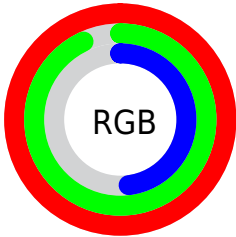
Format	Color
R_{YB}	143, 255, 122
Decimal	16772474
CIE Lab	93.12, -8.21, 57.26
CIE LCh	93, 57.847, 98.159
Yxy	83.2335, 0.3975, 0.4409
Android (android.graphics.Color)	4294962554 (0xFFFFE7A)
YUV	229.2720, -52.8851, 22.5635
Hunter-Lab	91.2324, -12.8370, 44.0368

Details

The Yxy color **83.2335, 0.3975, 0.4409** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **30.0964, 0.2160, 0.1834**, and the grayscale version is **78.9323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9543, 0.3591, 0.4057**, and **45.2132, 0.4127, 0.4623** is the 20% darker color. If you saturate the color by 10%, you get **80.7039, 0.4122, 0.4578**, and if you desaturate by 10%, it is **85.9672, 0.3814, 0.4212**.

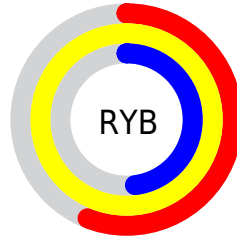
Distribution



Red (100%)

Green (93%)

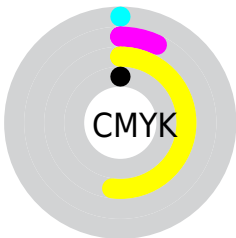
Blue (48%)



Red (56%)

Yellow (100%)

Blue (48%)

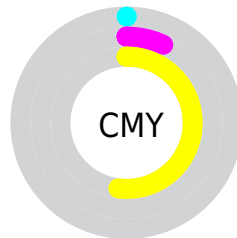


Cyan (0%)

Magenta (7%)

Yellow (52%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2335, 0.3975, 0.4409 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 83.2335, 0.3975, 0.4409 by changing the saturation by 10% instead.


 83.2335, 0.3975,
0.4409

 83.2335, 0.3975,
0.4409


505.7644, 0.3617,
0.3917

 62.3828, 0.4045,
0.4511


 137.9024, 0.3860,
0.4246

 45.3421, 0.4125,
0.4630


 172.4895, 0.3812,
0.4180

 31.7270, 0.4215,
0.4771

 212.4241, 0.3770,
0.4122

 21.1530, 0.4313,
0.4934

258.0906, 0.3732,
0.4071

 13.2359, 0.4411,
0.5120

309.8736, 0.3699,
0.4026

 7.5912, 0.4577,
0.5423

368.1572, 0.3669,

 3.8345, 0.4500,

0.3986

0.5500

433.3260, 0.3641,
0.3949

■ 1.5814, 0.4369,
0.5631

■ 0.3450, 0.2699,
0.7301

■ 83.2335, 0.3975,
0.4409

■ 83.2335, 0.3975,
0.4409

■ 80.7039, 0.4122,
0.4578

■ 85.9672, 0.3814,
0.4212

■ 78.3651, 0.4248,
0.4709


■ 88.9171, 0.3646,
0.3998


■ 76.2015, 0.4349,
0.4796

■ 92.0944, 0.3478,
0.3775

■ 74.1945, 0.4420,
0.4836

■ 95.5089, 0.3315,
0.3552

 72.7114, 0.4459,
0.4842

 99.1702, 0.3160,
0.3336

100.0000, 0.3127,
0.3290

Harmonies

Analogous

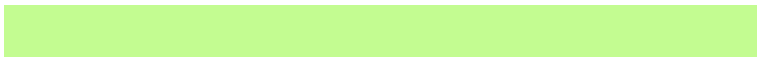
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2335, 0.4375, 0.4025



83.2335, 0.3975, 0.4409



83.2335, 0.3371, 0.4495

Triad

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



83.2335, 0.3975, 0.4409



83.2335, 0.1982, 0.2829



83.2335, 0.3440, 0.2617

Complementary

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



83.2335, 0.3975, 0.4409



30.0964, 0.2160, 0.1834

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.



83.2335, 0.2774, 0.2343



83.2335, 0.3975, 0.4409



83.2335, 0.1996, 0.2416

Square

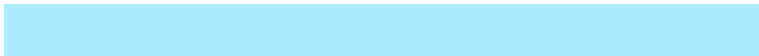
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2335, 0.3975, 0.4409



83.2335, 0.2234, 0.3470



83.2335, 0.2266, 0.2264



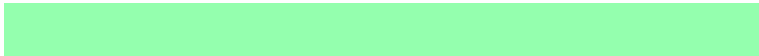
83.2335, 0.4073, 0.3036

Rectangle

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



83.2335, 0.3975, 0.4409



83.2335, 0.2939, 0.4305



83.2335, 0.2266, 0.2264



83.2335, 0.3210, 0.2506

Sweetspot

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



83.2334, 0.3975, 0.4409



94.1742, 0.3377, 0.3637



37.1181, 0.4418, 0.3090



20.0066, 0.3410, 0.3683



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

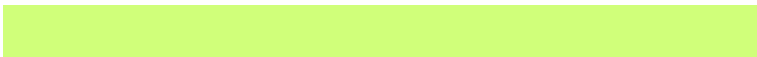
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2334, 0.3975, 0.4409



80.5039, 0.4133, 0.4590



86.3969, 0.3566, 0.4710



20.6469, 0.3273, 0.3494



38.1557, 0.4454, 0.4846



3.8260, 0.4420, 0.4873

Inverse Universe

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



30.0964, 0.2160, 0.1834



22.1280, 0.1951, 0.1491



29.5098, 0.2443, 0.1747



17.7738, 0.2979, 0.3078



4.5057, 0.1529, 0.0703



0.5545, 0.1573, 0.0862

Previews

White Background



This preview shows how the Yxy color 83.2335, 0.3975, 0.4409 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 83.2335, 0.3975, 0.4409 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 83.2335, 0.3975, 0.4409

Background



This preview shows how black text looks on a background with the Yxy color 83.2335, 0.3975, 0.4409.

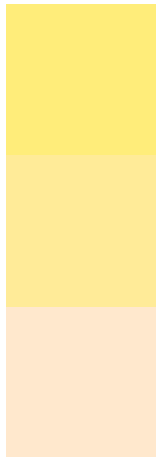


This preview shows how white text looks on a background with the Yxy color 83.2335, 0.3975, 0.4409.

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

83.2335, 0.3975, 0.4409

Protanopia

82.9437, 0.3807, 0.4122

Deuteranopia

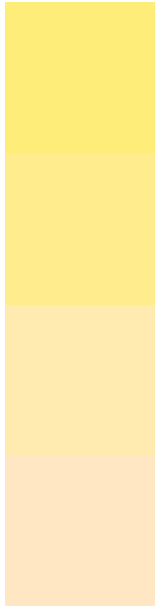
83.3810, 0.3465, 0.3562



Tritanopia

82.9788, 0.3243, 0.3182

Trichromacy



Original Color

83.2335, 0.3975, 0.4409

Protanomaly

83.1740, 0.3871, 0.4234

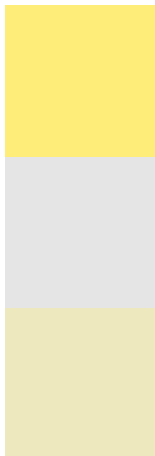
Deuteranomaly

83.2008, 0.3662, 0.3886

Tritanomaly

82.3974, 0.3528, 0.3644

Monochromacy



Original Color

83.2335, 0.3975, 0.4409

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.6081, 0.3443, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2335, 0.3975, 0.4409 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, 237, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 122)  
}
```

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, 237, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 122) }
```

Border

The CSS property to change the border of an element to Yxy 83.2335, 0.3975, 0.4409 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, 237, 122) }
```

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

```
.border{ border-color:rgb(255, 237, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2335, 0.3975, 0.4409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 122) }
```

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

```
.background{ background-color: rgb(255,  
237, 122) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor