

Converting Colors

$Yxy(83.4647, 0.3957, 0.4386)$

Have a look what the booklet for
Yxy(83.4647, 0.3957, 0.4386)
contains.

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Color

Yxy(83.3090, 0.3958, 0.4383)

Conversions

Conversions Part 1

Format	Color
Hex	FFED7D
RGB	255, 237, 125
RGB Percent	100%, 93%, 49%
CMY	0.0000, 0.0706, 0.5096
CMYK	0.00, 0.07, 0.51, 0.00
HSL	52°, 100%, 75%
HSV	52°, 51%, 100%
XYZ	75.2309, 83.3090, 31.5331
YIQ	229.6140, 46.6800, -31.0160

Conversions

Conversions Part 2

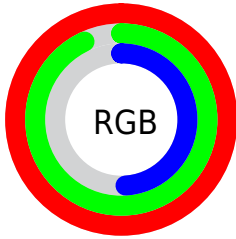
Format	Color
RYB	146, 255, 125
Decimal	16772477
CIELab	93.15, -7.96, 55.87
CIELCh	93, 56.431, 98.110
Yxy	83.3090, 0.3958, 0.4383
Android (android.graphics.Color)	4294962557 (0xFFFFED7D)
YUV	229.6140, -51.5747, 22.2635
Hunter-Lab	91.2738, -12.6034, 43.4082

Details

The Yxy color **83.3090, 0.3958, 0.4383** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **31.2435, 0.2185, 0.1879**, and the grayscale version is **79.1970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0753, 0.3573, 0.4028**, and **45.2514, 0.4110, 0.4597** is the 20% darker color. If you saturate the color by 10%, you get **80.7154, 0.4108, 0.4555**, and if you desaturate by 10%, it is **86.1144, 0.3795, 0.4184**.

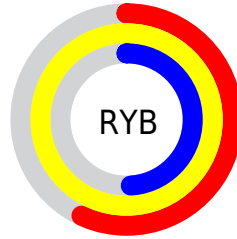
Distribution



Red (100%)

Green (93%)

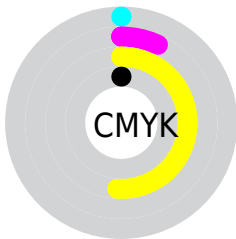
Blue (49%)



Red (57%)

Yellow (100%)

Blue (49%)

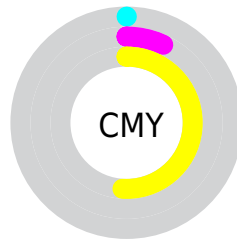


Cyan (0%)

Magenta (7%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.3090, 0.3958, 0.4383 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 83.3090, 0.3958, 0.4383 by changing the saturation by 10% instead.


 83.3090, 0.3958,
0.4383

 83.3090, 0.3958,
0.4383

506.0158, 0.3606,
0.3901

 62.4451, 0.4027,
0.4483


 138.0082, 0.3844,
0.4223

 45.3924, 0.4107,
0.4601


 172.6122, 0.3797,
0.4159

 31.7667, 0.4197,
0.4740


 212.5651, 0.3756,
0.4102

 21.1833, 0.4296,
0.4903

258.2512, 0.3719,
0.4052

 13.2581, 0.4398,
0.5089

310.0549, 0.3686,
0.4008

 7.6065, 0.4557,
0.5379

368.3606, 0.3657,

 3.8442, 0.4512,

0.3969

0.5488

433.5528, 0.3630,
0.3933

■ 1.5868, 0.4385,
0.5615

■ 0.3487, 0.2822,
0.7178

■ 83.3090, 0.3958,
0.4383

■ 83.3090, 0.3958,
0.4383

■ 80.7154, 0.4108,
0.4555

■ 86.1144, 0.3795,
0.4184

■ 78.3140, 0.4238,
0.4691

■ 89.1372, 0.3626,
0.3969

■ 76.0916, 0.4343,
0.4783

■ 92.3903, 0.3458,
0.3746

■ 74.0300, 0.4419,
0.4829

■ 95.8838, 0.3296,
0.3525

■ 72.2792, 0.4466,
0.4836

99.6270, 0.3141,
0.3310

100.0000, 0.3127,
0.3290

Harmonies

Analogous

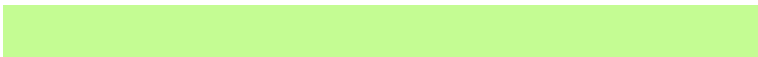
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3090, 0.4347, 0.4011



83.3090, 0.3958, 0.4383



83.3090, 0.3368, 0.4464

Triad

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



83.3090, 0.3958, 0.4383



83.3090, 0.2007, 0.2842



83.3090, 0.3432, 0.2631

Complementary

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



83.3090, 0.3958, 0.4383



31.2435, 0.2185, 0.1879

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.



83.3090, 0.2782, 0.2362



83.3090, 0.3958, 0.4383



83.3090, 0.2020, 0.2437

Square

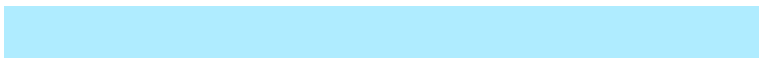
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3090, 0.3958, 0.4383



83.3090, 0.2256, 0.3468



83.3090, 0.2285, 0.2286



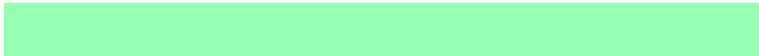
83.3090, 0.4049, 0.3042

Rectangle

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



83.3090, 0.3958, 0.4383



83.3090, 0.2946, 0.4278



83.3090, 0.2285, 0.2286



83.3090, 0.3207, 0.2523

Sweetspot

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



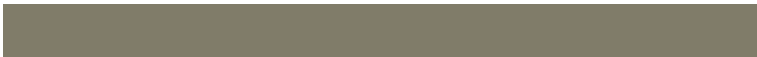
83.3111, 0.3958, 0.4383



94.4430, 0.3361, 0.3614



37.9703, 0.4372, 0.3094



20.0572, 0.3395, 0.3660



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.



83.3111, 0.3958, 0.4383



80.7056, 0.4109, 0.4556



86.6329, 0.3559, 0.4678



20.6364, 0.3273, 0.3493



37.9329, 0.4461, 0.4840



3.8064, 0.4426, 0.4868

Inverse Universe

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



31.2435, 0.2185, 0.1879



23.5715, 0.1989, 0.1559



30.5056, 0.2463, 0.1785



17.7834, 0.2979, 0.3079



4.5332, 0.1530, 0.0707



0.5590, 0.1575, 0.0868

Previews

White Background



This preview shows how the Yxy color 83.3090, 0.3958, 0.4383 looks on a white background.

Color Contrast Check

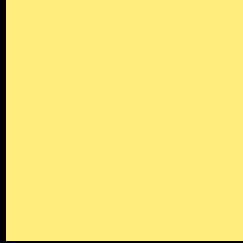
Large Text (above 18pt) WCAG AA × Fail

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 83.3090, 0.3958, 0.4383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

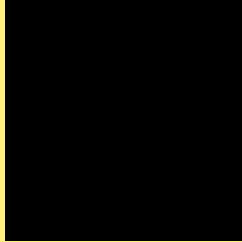
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.3090, 0.3958, 0.4383

Background



This preview shows how black text looks on a background with the Yxy color 83.3090, 0.3958, 0.4383.



This preview shows how white text looks on a background with the Yxy color 83.3090, 0.3958, 0.4383.

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

83.3090, 0.3958, 0.4383

Protanopia

82.9766, 0.3801, 0.4112

Deuteranopia

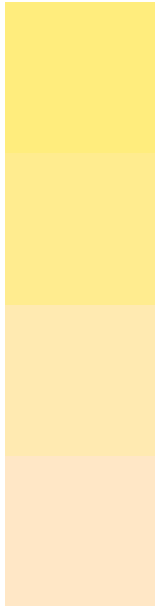
83.4295, 0.3459, 0.3552



Tritanopia

82.9788, 0.3243, 0.3182

Trichromacy



Original Color

83.3090, 0.3958, 0.4383

Protanomaly

83.2341, 0.3859, 0.4215

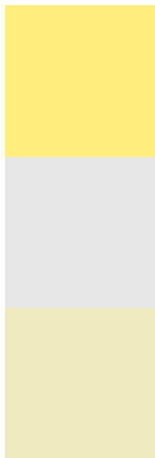
Deuteranomaly

83.2800, 0.3649, 0.3866

Tritanomaly

82.4890, 0.3515, 0.3624

Monochromacy



Original Color

83.3090, 0.3958, 0.4383

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

80.4343, 0.3435, 0.3721

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3090, 0.3958, 0.4383 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, 125)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 125)  
}
```

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, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 125) }
```

Border

The CSS property to change the border of an element to Yxy 83.3090, 0.3958, 0.4383 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, 125) }
```

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

```
.border{ border-color:rgb(255, 237, 125) }
```

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, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 125);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3090, 0.3958, 0.4383 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, 125) }
```

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

```
.background{ background-color: rgb(255,  
237, 125) }
```

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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