

Converting Colors

$Yxy(85.1906, 0.3909, 0.4211)$

Have a look what the booklet for
Yxy(85.1906, 0.3909, 0.4211)
contains.

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Color

Yxy(83.7814, 0.3860, 0.4233)

Conversions

Conversions Part 1

Format	Color
Hex	FFED8E
RGB	255, 237, 142
RGB Percent	100%, 93%, 56%
CMY	0.0001, 0.0705, 0.4430
CMYK	0.00, 0.07, 0.44, 0.00
HSL	50°, 100%, 78%
HSV	50°, 44%, 100%
XYZ	76.3988, 83.7814, 37.7442
YIQ	231.5520, 41.2230, -25.7290

Conversions

Conversions Part 2

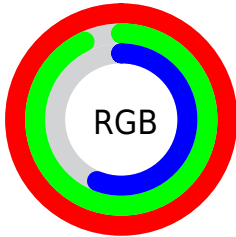
Format	Color
R _Y B	163, 255, 142
Decimal	16772494
CIE Lab	93.36, -6.47, 48.05
CIE LCh	93, 48.482, 97.666
Yxy	83.7814, 0.3860, 0.4233
Android (android.graphics.Color)	4294962574 (0xFFFFE8E)
YUV	231.5520, -44.1491, 20.5639
Hunter-Lab	91.5322, -11.1934, 39.6237

Details

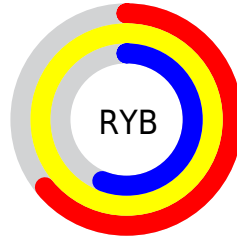
The Yxy color **83.7814, 0.3860, 0.4233** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.1031, 0.2326, 0.2121**, and the grayscale version is **80.6577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8112, 0.3472, 0.3860**, and **45.5217, 0.3996, 0.4422** is the 20% darker color. If you saturate the color by 10%, you get **80.7845, 0.4025, 0.4421**, and if you desaturate by 10%, it is **87.0142, 0.3689, 0.4026**.

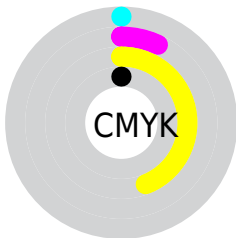
Distribution



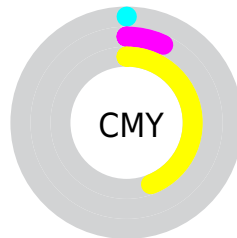
- Red (100%)
- Green (93%)
- Blue (56%)



- Red (64%)
- Yellow (100%)
- Blue (56%)



- Cyan (0%)
- Magenta (7%)
- Yellow (44%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.7814, 0.3860, 0.4233 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 83.7814, 0.3860, 0.4233 by changing the saturation by 10% instead.

 83.7814, 0.3860,
0.4233


 83.7814, 0.3860,
0.4233


507.5870, 0.3543,
0.3814

 62.8350, 0.3925,
0.4322


 138.6693, 0.3756,
0.4092

 45.7077, 0.4001,
0.4428


 173.3797, 0.3714,
0.4036

 32.0152, 0.4089,
0.4556


213.4467, 0.3677,
0.3987

 21.3731, 0.4192,
0.4710

259.2549, 0.3644,
0.3944

 13.3970, 0.4309,
0.4895

311.1886, 0.3614,
0.3906

 7.7025, 0.4438,
0.5122

369.6323, 0.3588,

 3.9052, 0.4582,

0.3872

0.5418

434.9703, 0.3565,
0.3841

■ 1.6207, 0.4481,
0.5519

■ 0.3715, 0.3445,
0.6555

■ 83.7814, 0.3860,
0.4233

■ 83.7814, 0.3860,
0.4233

■ 80.7845, 0.4025,
0.4421

■ 87.0142, 0.3689,
0.4026

■ 77.9996, 0.4175,
0.4579

■ 90.4826, 0.3517,
0.3809

■ 75.4163, 0.4304,
0.4699

■ 94.2009, 0.3350,
0.3591

■ 73.0186, 0.4407,
0.4773

■ 98.1787, 0.3192,
0.3379

■ 70.7867, 0.4480,
0.4800

99.9936, 0.3127,
0.3290

■ 69.5723, 0.4511,
0.4800

Harmonies

Analogous

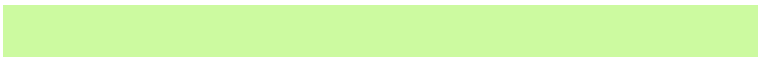
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7814, 0.4184, 0.3924



83.7814, 0.3860, 0.4233



83.7814, 0.3354, 0.4287

Triad

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



83.7814, 0.3860, 0.4233



83.7814, 0.2152, 0.2921



83.7814, 0.3384, 0.2711

Complementary

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



83.7814, 0.3860, 0.4233



38.1031, 0.2326, 0.2121

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.



83.7814, 0.2825, 0.2476



83.7814, 0.3860, 0.4233



83.7814, 0.2158, 0.2559

Square

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



83.7814, 0.3860, 0.4233



83.7814, 0.2379, 0.3456



83.7814, 0.2391, 0.2415



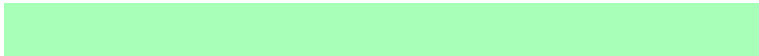
83.7814, 0.3910, 0.3075

Rectangle

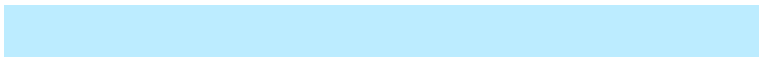
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.7814, 0.3860, 0.4233



83.7814, 0.2987, 0.4129



83.7814, 0.2391, 0.2415



83.7814, 0.3192, 0.2616

Sweetspot

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



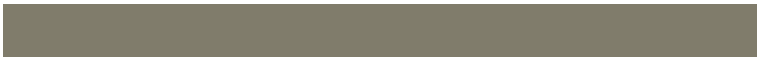
83.7853, 0.3860, 0.4233



94.7304, 0.3329, 0.3563



43.1745, 0.4110, 0.3096



20.0942, 0.3365, 0.3611



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

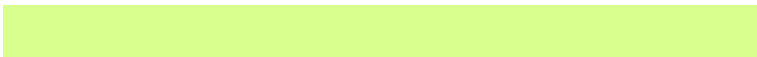
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7853, 0.3860, 0.4233



81.1856, 0.4004, 0.4398



88.2529, 0.3528, 0.4489



20.5700, 0.3273, 0.3488



36.5479, 0.4505, 0.4805



3.6846, 0.4464, 0.4838

Inverse Universe

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



38.1031, 0.2326, 0.2121



30.3493, 0.2151, 0.1847



36.2347, 0.2556, 0.1993



17.8438, 0.2979, 0.3084



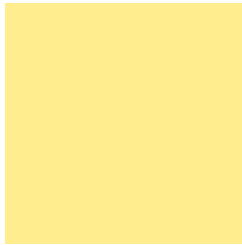
4.7213, 0.1537, 0.0733



0.5873, 0.1585, 0.0905

Previews

White Background



This preview shows how the Yxy color 83.7814, 0.3860, 0.4233 looks on a white background.

Color Contrast Check

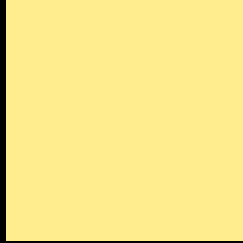
Large Text (above 18pt) WCAG AA × Fail

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 83.7814, 0.3860, 0.4233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

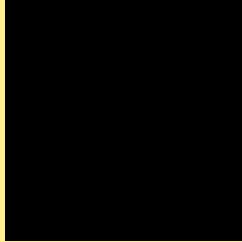
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.7814, 0.3860, 0.4233

Background



This preview shows how black text looks on a background with the Yxy color 83.7814, 0.3860, 0.4233.



This preview shows how white text looks on a background with the Yxy color 83.7814, 0.3860, 0.4233.

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

83.7814, 0.3860, 0.4233

Protanopia

83.7541, 0.3759, 0.4063

Deuteranopia

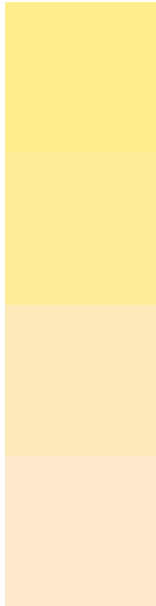
83.5767, 0.3438, 0.3521



Tritanopia

83.5899, 0.3236, 0.3182

Trichromacy



Original Color

83.7814, 0.3860, 0.4233

Protanomaly

83.5508, 0.3797, 0.4121

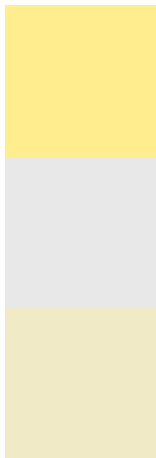
Deuteranomaly

83.6084, 0.3596, 0.3785

Tritanomaly

83.3329, 0.3472, 0.3572

Monochromacy



Original Color

83.7814, 0.3860, 0.4233

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.4944, 0.3394, 0.3656

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7814, 0.3860, 0.4233 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, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 142)  
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 142) }
```

Border

The CSS property to change the border of an element to Yxy 83.7814, 0.3860, 0.4233 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, 142) }
```

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

```
.border{ border-color:rgb(255, 237, 142) }
```

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, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 237, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 237, 142); box-shadow:4px 4px 4px 4px rgb(255, 237, 142) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7814, 0.3860, 0.4233 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, 142) }
```

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

```
.background{ background-color: rgb(255,  
237, 142) }
```

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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