

Converting Colors

$Y_{xy}(100.0000, 0.4326, 0.4006)$

Have a look what the booklet for
Yxy(100.0000, 0.4326, 0.4006)
contains.

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Color

Yxy(83.9665, 0.3824, 0.4177)

Conversions

Conversions Part 1

Format	Color
Hex	FFED94
RGB	255, 237, 148
RGB Percent	100%, 93%, 58%
CMY	0.0000, 0.0706, 0.4195
CMYK	0.00, 0.07, 0.42, 0.00
HSL	50°, 100%, 79%
HSV	50°, 42%, 100%
XYZ	76.8705, 83.9665, 40.1841
YIQ	232.2360, 39.2970, -23.8630

Conversions

Conversions Part 2

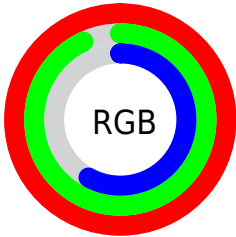
Format	Color
R _Y B	170, 255, 148
Decimal	16772500
CIE Lab	93.44, -5.86, 45.22
CIE LCh	93, 45.602, 97.382
Yxy	83.9665, 0.3824, 0.4177
Android (android.graphics.Color)	4294962580 (0xFFFFE94)
YUV	232.2360, -41.5283, 19.9640
Hunter-Lab	91.6332, -10.6158, 38.1427

Details

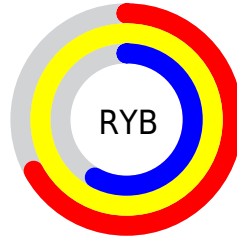
The Yxy color **83.9665, 0.3824, 0.4177** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.7987, 0.2375, 0.2207**, and the grayscale version is **81.1810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0918, 0.3436, 0.3800**, and **45.7626, 0.3963, 0.4353** is the 20% darker color. If you saturate the color by 10%, you get **80.7956, 0.3993, 0.4369**, and if you desaturate by 10%, it is **87.3824, 0.3650, 0.3968**.

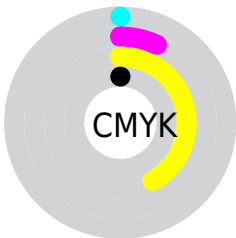
Distribution



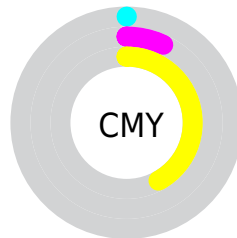
- Red (100%)
- Green (93%)
- Blue (58%)



- Red (67%)
- Yellow (100%)
- Blue (58%)



- Cyan (0%)
- Magenta (7%)
- Yellow (42%)
- Black (0%)




- Cyan (0%)
- Magenta (7%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.9665, 0.3824, 0.4177 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 83.9665, 0.3824, 0.4177 by changing the saturation by 10% instead.


 83.9665, 0.3824,
0.4177


 83.9665, 0.3824,
0.4177


508.2020, 0.3521,
0.3782

 62.9878, 0.3887,
0.4262

 138.9283, 0.3724,
0.4044

 45.8313, 0.3960,
0.4363


 173.6802, 0.3683,
0.3991

 32.1127, 0.4048,
0.4485


213.7919, 0.3648,
0.3945

 21.4476, 0.4151,
0.4634

259.6479, 0.3617,
0.3904

 13.4516, 0.4270,
0.4816

311.6325, 0.3589,
0.3868

 7.7402, 0.4401,
0.5034

370.1301, 0.3564,

 3.9292, 0.4611,

0.3836

0.5389

435.5251, 0.3542,
0.3807

■ 1.6340, 0.4520,
0.5480

■ 0.3804, 0.3649,
0.6351

■ 83.9665, 0.3824,
0.4177

■ 83.9665, 0.3824,
0.4177

■ 80.7956, 0.3993,
0.4369

■ 87.3824, 0.3650,
0.3968

■ 77.8459, 0.4150,
0.4534

■ 91.0429, 0.3478,
0.3753

■ 75.1075, 0.4288,
0.4662

■ 94.9621, 0.3312,
0.3538

■ 72.5650, 0.4401,
0.4746

■ 99.1495, 0.3156,
0.3329

■ 70.1994, 0.4484,
0.4783

99.9994, 0.3127,
0.3290

■ 68.4007, 0.4532,
0.4783

Harmonies

Analogous

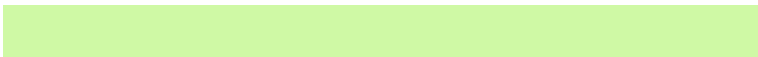
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9665, 0.4125, 0.3889



83.9665, 0.3824, 0.4177



83.9665, 0.3349, 0.4225

Triad

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



83.9665, 0.3824, 0.4177



83.9665, 0.2206, 0.2950



83.9665, 0.3365, 0.2740

Complementary

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



83.9665, 0.3824, 0.4177



40.7987, 0.2375, 0.2207

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.



83.9665, 0.2839, 0.2518



83.9665, 0.3824, 0.4177



83.9665, 0.2209, 0.2604

Square

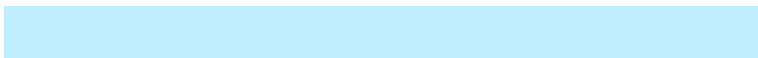
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9665, 0.3824, 0.4177



83.9665, 0.2426, 0.3453



83.9665, 0.2429, 0.2463



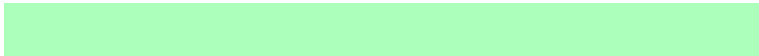
83.9665, 0.3859, 0.3085

Rectangle

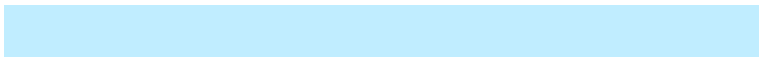
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.9665, 0.3824, 0.4177



83.9665, 0.3003, 0.4077



83.9665, 0.2429, 0.2463



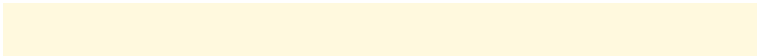
83.9665, 0.3185, 0.2650

Sweetspot

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



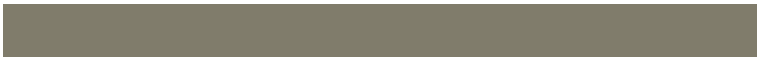
83.9704, 0.3824, 0.4177



94.5399, 0.3329, 0.3560



45.2625, 0.4015, 0.3087



20.0467, 0.3366, 0.3607



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

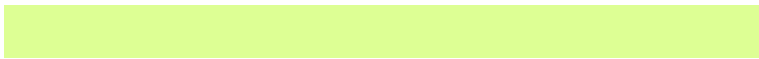
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9704, 0.3824, 0.4177



81.3982, 0.3961, 0.4333



89.0488, 0.3522, 0.4420



20.5400, 0.3273, 0.3486



35.9337, 0.4526, 0.4789



3.6304, 0.4481, 0.4824

Inverse Universe

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



40.7987, 0.2375, 0.2207



33.2478, 0.2214, 0.1957



38.3424, 0.2580, 0.2064



17.8713, 0.2979, 0.3086



4.8146, 0.1540, 0.0745



0.6003, 0.1590, 0.0922

Previews

White Background



This preview shows how the Yxy color 83.9665, 0.3824, 0.4177 looks on a white background.

Color Contrast Check

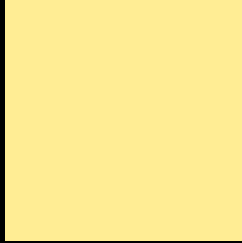
Large Text (above 18pt) WCAG AA × Fail

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 83.9665, 0.3824, 0.4177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

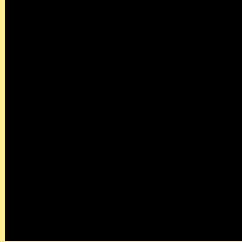
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.9665, 0.3824, 0.4177

Background



This preview shows how black text looks on a background with the Yxy color 83.9665, 0.3824, 0.4177.



This preview shows how white text looks on a background with the Yxy color 83.9665, 0.3824, 0.4177.

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

83.9665, 0.3824, 0.4177

Protanopia

83.8595, 0.3740, 0.4034

Deuteranopia

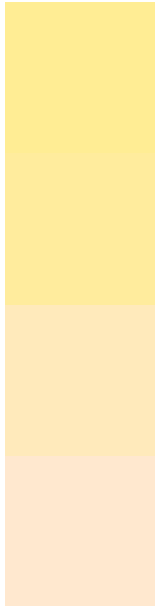
83.6264, 0.3432, 0.3511



Tritanopia

83.6495, 0.3229, 0.3173

Trichromacy



Original Color

83.9665, 0.3824, 0.4177

Protanomaly

83.6852, 0.3772, 0.4083

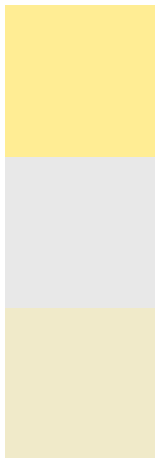
Deuteranomaly

83.6935, 0.3582, 0.3765

Tritanomaly

83.4782, 0.3452, 0.3542

Monochromacy



Original Color

83.9665, 0.3824, 0.4177

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.5879, 0.3381, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9665, 0.3824, 0.4177 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 148) }
```

Border

The CSS property to change the border of an element to Yxy 83.9665, 0.3824, 0.4177 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, 148) }
```

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

```
.border{ border-color:rgb(255, 237, 148) }
```

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, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 148);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9665, 0.3824, 0.4177 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, 148) }
```

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

```
.background{ background-color: rgb(255,  
237, 148) }
```

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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