

# Converting Colors

Yxy(100.0000, 0.4347, 0.4161)

Have a look what the booklet for  
Yxy(100.0000, 0.4347, 0.4161)  
contains.

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# Color

**Yxy(85.8640, 0.3895, 0.4348)**

# Conversions

Conversions Part 1	
Format	Color
Hex	FFF185
RGB	255, 241, 133
RGB Percent	100%, 95%, 52%
CMY	0.0001, 0.0548, 0.4786
CMYK	0.00, 0.05, 0.48, 0.00
HSL	53°, 100%, 76%
HSV	53°, 48%, 100%
XYZ	76.9182, 85.8640, 34.6971
YIQ	232.8740, 43.0120, -30.6200

# Conversions

## Conversions Part 2

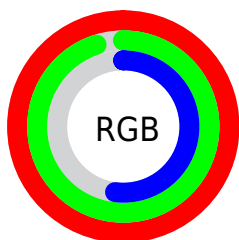
Format	Color
<a href="#">RYB</a>	<a href="#">149, 255, 133</a>
Decimal	<a href="#">16773509</a>
CIELab	<a href="#">94.25, -9.29, 53.49</a>
CIELCh	<a href="#">94, 54.287, 99.853</a>
Yxy	<a href="#">85.8640, 0.3895, 0.4348</a>
Android (android.graphics.Color)	<a href="#">4294963589</a> <a href="#">(0xFFFFF185)</a>
YUV	<a href="#">232.8740, -49.2379, 19.4045</a>
Hunter-Lab	<a href="#">92.6628, -13.9895, 42.6631</a>

# Details

The Yxy color **85.8640, 0.3895, 0.4348** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **33.0436, 0.2241, 0.1942**, and the grayscale version is **81.7364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4108, 0.3526, 0.3949**, and **47.0129, 0.4033, 0.4562** is the 20% darker color. If you saturate the color by 10%, you get **83.5346, 0.4043, 0.4533**, and if you desaturate by 10%, it is **88.4000, 0.3735, 0.4139**.

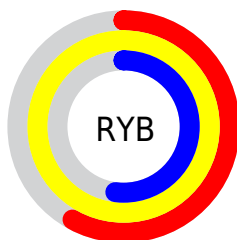
# Distribution



Red (100%)

Green (95%)

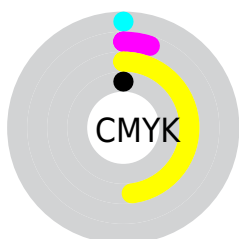
Blue (52%)



Red (58%)

Yellow (100%)

Blue (52%)

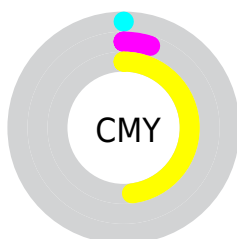


Cyan (0%)

Magenta (5%)

Yellow (48%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.8640, 0.3895, 0.4348 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 85.8640, 0.3895, 0.4348 by changing the saturation by 10% instead.




 85.8640, 0.3895,  
0.4348

 85.8640, 0.3895,  
0.4348


514.4827, 0.3570,  
0.3880


 64.5555, 0.3959,  
0.4446


 141.5797, 0.3790,  
0.4192

 47.1008, 0.4033,  
0.4563


 176.7557, 0.3747,  
0.4129

 33.1153, 0.4118,  
0.4701


 217.3230, 0.3709,  
0.4075

 22.2148, 0.4212,  
0.4866

263.6660, 0.3675,  
0.4026

 14.0148, 0.4311,  
0.5060

316.1690, 0.3644,  
0.3984

 8.1310, 0.4430,  
0.5316


375.2166, 0.3617,


 4.1789, 0.4462,

0.3945


0.5538


441.1930, 0.3592,  
0.3911


 1.7741, 0.4323,  
0.5677


 0.4710, 0.3192,  
0.6808


 85.8640, 0.3895,  
0.4348


 85.8640, 0.3895,  
0.4348


 83.5346, 0.4043,  
0.4533


 88.4000, 0.3735,  
0.4139

 81.3871, 0.4173,  
0.4684


 91.1421, 0.3570,  
0.3916


 79.4111, 0.4278,  
0.4793

 94.1047, 0.3405,  
0.3687

 77.5895, 0.4355,  
0.4856

 97.2977, 0.3246,  
0.3462

 75.8996, 0.4405, 99.9938, 0.3127,  
0.4876 0.3290

 75.5462, 0.4414,  
0.4877

# Harmonies

## Analogous

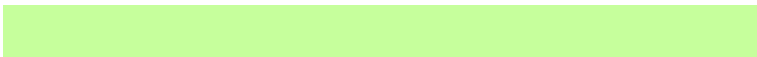
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8640, 0.4279, 0.4010



85.8640, 0.3895, 0.4348



85.8640, 0.3326, 0.4396

# Triad

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



85.8640, 0.3895, 0.4348



85.8640, 0.2048, 0.2837



85.8640, 0.3456, 0.2679

# Complementary

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



85.8640, 0.3895, 0.4348



33.0436, 0.2241, 0.1942

# 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.



85.8640, 0.2832, 0.2411



85.8640, 0.3895, 0.4348



85.8640, 0.2074, 0.2461

# Square

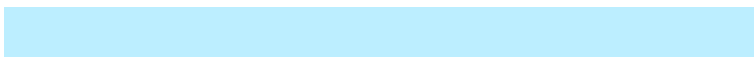
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.8640, 0.3895, 0.4348



85.8640, 0.2275, 0.3424



85.8640, 0.2344, 0.2327



85.8640, 0.4033, 0.3081

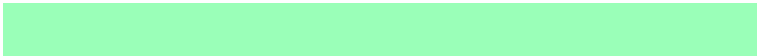


# Rectangle

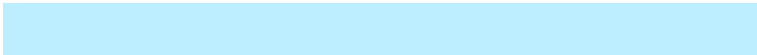
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.8640, 0.3895, 0.4348



85.8640, 0.2923, 0.4202



85.8640, 0.2344, 0.2327



85.8640, 0.3242, 0.2572

# Sweetspot

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



85.8680, 0.3895, 0.4348



95.3336, 0.3343, 0.3600



40.1331, 0.4303, 0.3146



20.2602, 0.3378, 0.3649



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

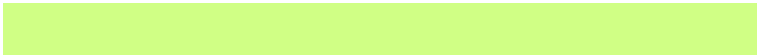
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8680, 0.3895, 0.4348



83.7495, 0.4031, 0.4518



86.6309, 0.3511, 0.4606



20.7151, 0.3272, 0.3499



39.6275, 0.4410, 0.4880



3.9549, 0.4382, 0.4903



# Inverse Universe

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



33.0436, 0.2241, 0.1942



25.5031, 0.2056, 0.1642



33.6558, 0.2545, 0.1896



17.7120, 0.2979, 0.3073



4.3413, 0.1522, 0.0680

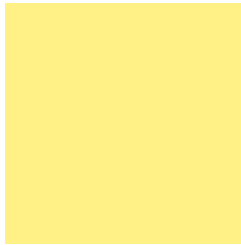


0.5256, 0.1562, 0.0823



# Previews

## White Background



This preview shows how the Yxy color 85.8640, 0.3895, 0.4348 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

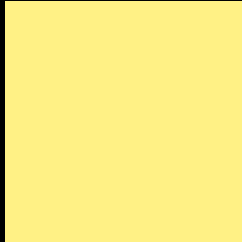
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.8640, 0.3895, 0.4348 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

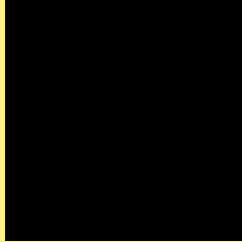
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.8640, 0.3895, 0.4348**

## Background



This preview shows how black text looks on a background with the Yxy color 85.8640, 0.3895, 0.4348.

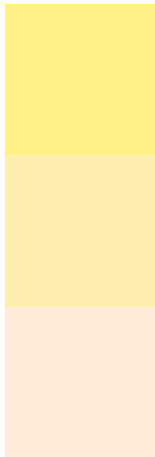


This preview shows how white text looks on a background with the Yxy color 85.8640, 0.3895, 0.4348.

# 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

85.8640, 0.3895, 0.4348

### Protanopia

86.0490, 0.3654, 0.3943

### Deuteranopia

85.5830, 0.3393, 0.3490




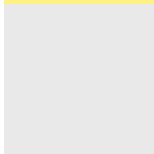
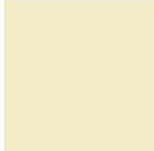
## Tritanopia

86.0089, 0.3213, 0.3193

# Trichromacy

	<b>Original Color</b> 85.8640, 0.3895, 0.4348
	<b>Protanomaly</b> 86.0834, 0.3745, 0.4099
	<b>Deuteranomaly</b> 85.3312, 0.3588, 0.3814
	<b>Tritanomaly</b> 85.5627, 0.3471, 0.3621

# Monochromacy

	<b>Original Color</b> 85.8640, 0.3895, 0.4348
	<b>Achromatopsia</b> 81.4847, 0.3127, 0.3290
	<b>Achromatomaly</b> 82.7229, 0.3411, 0.3696

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.8640, 0.3895, 0.4348 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, 241, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 133)  
}
```

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, 241, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 85.8640, 0.3895, 0.4348 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, 241, 133) }
```

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

```
.border{ border-color:rgb(255, 241, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 241, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
133) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.8640, 0.3895, 0.4348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 133) }
```

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

```
.background{ background-color: rgb(255,  
241, 133) }
```

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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