

# Converting Colors

$Yxy(85.4303, 0.3849, 0.4350)$

Have a look what the booklet for  
Yxy(85.4303, 0.3849, 0.4350)  
contains.

<b>Yxy(85.5775, 0.3843, 0.4353)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(85.5775, 0.3843, 0.4353)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAF287
RGB	250, 242, 135
RGB Percent	98%, 95%, 53%
CMY	0.0196, 0.0510, 0.4705
CMYK	0.00, 0.03, 0.46, 0.02
HSL	56°, 92%, 75%
HSV	56°, 46%, 98%
XYZ	75.5512, 85.5775, 35.4656
YIQ	232.1940, 39.1150, -31.5810

# Conversions

## Conversions Part 2

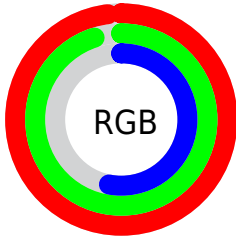
Format	Color
<a href="#">RYB</a>	<a href="#">144, 250, 135</a>
Decimal	<a href="#">16446087</a>
CIELab	<a href="#">94.13, -11.54, 52.27</a>
CIElCh	<a href="#">94, 53.531, 102.446</a>
Yxy	<a href="#">85.5775, 0.3843, 0.4353</a>
Android (android.graphics.Color)	<a href="#">4294636167 (0xFFFAF287)</a>
YUV	<a href="#">232.1940, -47.9166, 15.6159</a>
Hunter-Lab	<a href="#">92.5081, -16.1086, 42.0252</a>

# Details

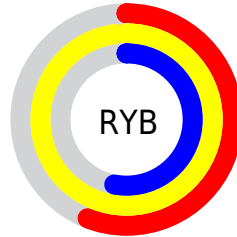
The Yxy color **85.5775, 0.3843, 0.4353** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **31.7061, 0.2269, 0.1940**, and the grayscale version is **81.1968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4977, 0.3514, 0.3929**, and **46.9335, 0.3977, 0.4572** is the 20% darker color. If you saturate the color by 10%, you get **83.9277, 0.3983, 0.4549**, and if you desaturate by 10%, it is **87.4104, 0.3690, 0.4133**.

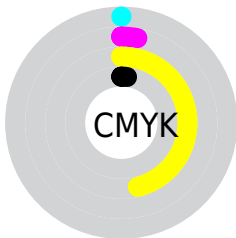
# Distribution



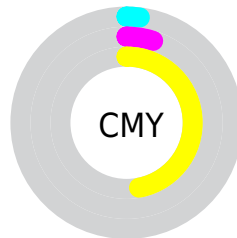
- Red (98%)
- Green (95%)
- Blue (53%)



- Red (56%)
- Yellow (98%)
- Blue (53%)



- Cyan (0%)
- Magenta (3%)
- Yellow (46%)
- Black (2%)




- Cyan (2%)
- Magenta (5%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5775, 0.3843, 0.4353 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 85.5775, 0.3843, 0.4353 by changing the saturation by 10% instead.





 85.5775, 0.3843,  
0.4353


 85.5775, 0.3843,  
0.4353

513.5370, 0.3541,  
0.3879


 64.3187, 0.3903,  
0.4454


 141.1798, 0.3745,  
0.4194

 46.9088, 0.3971,  
0.4574


 176.2919, 0.3705,  
0.4130

 32.9636, 0.4049,  
0.4717


 216.7907, 0.3670,  
0.4075

 22.0985, 0.4136,  
0.4890

263.0605, 0.3638,  
0.4026

 13.9293, 0.4226,  
0.5097

315.4856, 0.3610,  
0.3983

 8.0715, 0.4327,  
0.5367

374.4504, 0.3585,

 4.1408, 0.4359,

0.3945

0.5641

440.3395, 0.3562,  
0.3910

■ 1.7526, 0.4183,  
0.5817

■ 0.4574, 0.2508,  
0.7492

■ 85.5775, 0.3843,  
0.4353

■ 85.5775, 0.3843,  
0.4353

■ 83.9277, 0.3983,  
0.4549

■ 87.4104, 0.3690,  
0.4133

■ 82.4374, 0.4103,  
0.4712


■ 89.4251, 0.3532,  
0.3900


■ 81.0971, 0.4200,  
0.4834

■ 91.6353, 0.3372,  
0.3662

■ 79.8913, 0.4269,  
0.4911

■ 94.0502, 0.3217,  
0.3427

 78.8008, 0.4311,  
0.4944

 96.3501, 0.3098,  
0.3249

 78.3842, 0.4323,  
0.4950

 97.4397, 0.3097,  
0.3265

 98.5392, 0.3097,  
0.3282

 99.0642, 0.3096,  
0.3290

# Harmonies

## Analogous

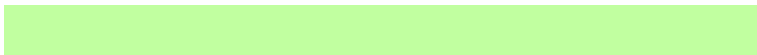
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5775, 0.4243, 0.4038



85.5775, 0.3843, 0.4353



85.5775, 0.3273, 0.4366

# Triad

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



85.5775, 0.3843, 0.4353



85.5775, 0.2052, 0.2802



85.5775, 0.3507, 0.2716

# Complementary

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



85.5775, 0.3843, 0.4353



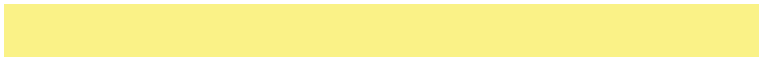
31.7061, 0.2269, 0.1940

# 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.



85.5775, 0.2886, 0.2437



85.5775, 0.3843, 0.4353



85.5775, 0.2100, 0.2451

# Square

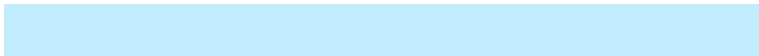
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.5775, 0.3843, 0.4353



85.5775, 0.2256, 0.3368



85.5775, 0.2387, 0.2337



85.5775, 0.4060, 0.3123

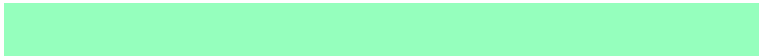


# Rectangle

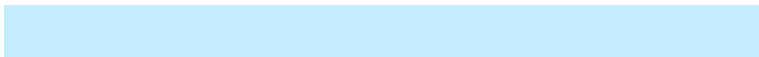
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.5775, 0.3843, 0.4353



85.5775, 0.2877, 0.4151



85.5775, 0.2387, 0.2337



85.5775, 0.3296, 0.2606

# Sweetspot

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



85.5814, 0.3843, 0.4353



96.3364, 0.3341, 0.3615



39.6911, 0.4276, 0.3192



20.5073, 0.3375, 0.3666



0.0000, 0.0000, 0.0000

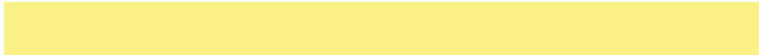


21.4041, 0.3127, 0.3290



# Same Dimension

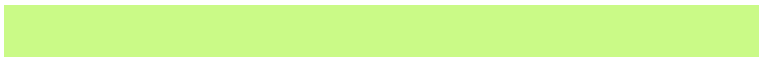
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5814, 0.3843, 0.4353



87.9460, 0.3970, 0.4532



82.6915, 0.3474, 0.4563



19.9719, 0.3271, 0.3508



41.6655, 0.4320, 0.4952



3.9192, 0.4304, 0.4965



# Inverse Universe

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



31.7061, 0.2269, 0.1940



25.3898, 0.2080, 0.1632



34.2957, 0.2605, 0.1967



16.8367, 0.2979, 0.3062



3.9521, 0.1512, 0.0643

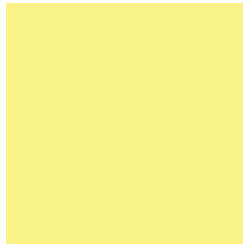


0.4315, 0.1540, 0.0743



# Previews

## White Background



This preview shows how the Yxy color 85.5775, 0.3843, 0.4353 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

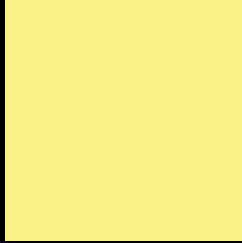
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.5775, 0.3843, 0.4353 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 85.5775, 0.3843, 0.4353**

## Background



This preview shows how black text looks on a background with the Yxy color 85.5775, 0.3843, 0.4353.

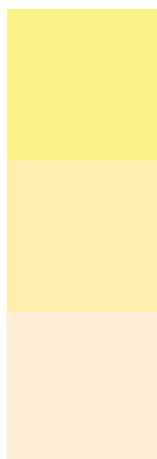


This preview shows how white text looks on a background with the Yxy color 85.5775, 0.3843, 0.4353.

# 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

85.5775, 0.3843, 0.4353

### Protanopia

85.3876, 0.3670, 0.3953

### Deuteranopia

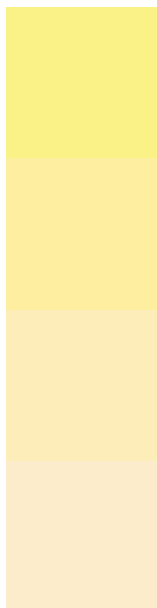
85.5317, 0.3400, 0.3500



## Tritanopia

85.5049, 0.3207, 0.3173

# Trichromacy



## Original Color

85.5775, 0.3843, 0.4353

## Protanomaly

85.1189, 0.3734, 0.4094

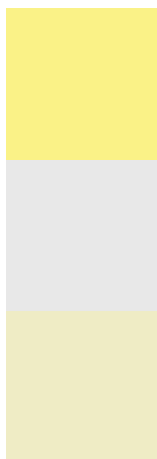
## Deuteranomaly

85.5345, 0.3571, 0.3826

## Tritanomaly

85.2332, 0.3450, 0.3613

# Monochromacy



## Original Color

85.5775, 0.3843, 0.4353

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

82.3728, 0.3397, 0.3698

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.5775, 0.3843, 0.4353 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(250, 242, 135)` looks like.

```
.text, #text, p{  
    color:rgb(250, 242, 135)  
}
```

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(250, 242, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 242, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 85.5775, 0.3843, 0.4353 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(250, 242, 135) }
```

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

```
.border{ border-color:rgb(250, 242, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 242, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 242, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 242, 135);  
box-shadow:4px 4px 4px 4px rgb(250, 242,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.5775, 0.3843, 0.4353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 242, 135) }
```

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

```
.background{ background-color: rgb(250,  
242, 135) }
```

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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