

Converting Colors

$Yxy(87.5451, 0.3754, 0.4151)$

Have a look what the booklet for
Yxy(87.5451, 0.3754, 0.4151)
contains.

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Color

Yxy(87.7615, 0.3753, 0.4154)

Conversions

Conversions Part 1

Format	Color
Hex	FFF39C
RGB	255, 243, 156
RGB Percent	100%, 95%, 61%
CMY	0.0000, 0.0470, 0.3882
CMYK	0.00, 0.05, 0.39, 0.00
HSL	53°, 100%, 81%
HSV	53°, 39%, 100%
XYZ	79.2896, 87.7615, 44.2188
YIQ	236.6700, 35.0790, -24.5130

Conversions

Conversions Part 2

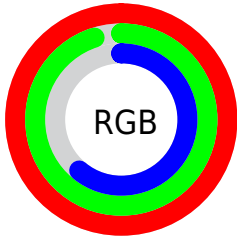
Format	Color
RYB	170, 255, 156
Decimal	16774044
CIELab	95.06, -8.02, 43.38
CIELCh	95, 44.111, 100.482
Yxy	87.7615, 0.3753, 0.4154
Android (android.graphics.Color)	4294964124 (0xFFFFF39C)
YUV	236.6700, -39.7703, 16.0754
Hunter-Lab	93.6811, -12.8636, 37.5911

Details

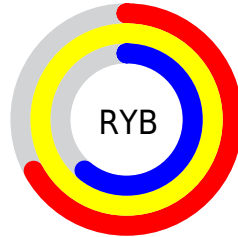
The Yxy color **87.7615, 0.3753, 0.4154** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.2928, 0.2429, 0.2245**, and the grayscale version is **84.7149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4831, 0.3388, 0.3721**, and **48.3902, 0.3877, 0.4339** is the 20% darker color. If you saturate the color by 10%, you get **85.1581, 0.3914, 0.4360**, and if you desaturate by 10%, it is **90.5853, 0.3587, 0.3933**.

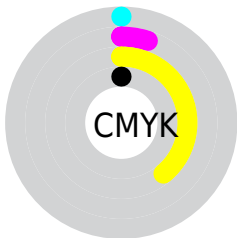
Distribution



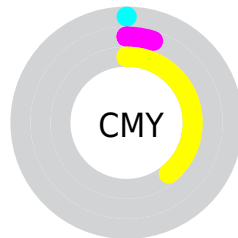
- Red (100%)
- Green (95%)
- Blue (61%)



- Red (67%)
- Yellow (100%)
- Blue (61%)



- Cyan (0%)
- Magenta (5%)
- Yellow (39%)
- Black (0%)





- Cyan (0%)
- Magenta (5%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.7615, 0.3753, 0.4154 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 87.7615, 0.3753, 0.4154 by changing the saturation by 10% instead.


 87.7615, 0.3753,
0.4154


 87.7615, 0.3753,
0.4154

520.7219, 0.3483,
0.3769

 66.1256, 0.3809,
0.4237


 144.2251, 0.3664,
0.4024

 48.3743, 0.3874,
0.4336


 179.8215, 0.3628,
0.3972

 34.1234, 0.3951,
0.4457


220.8402, 0.3597,
0.3927

 22.9884, 0.4042,
0.4606

267.6656, 0.3569,
0.3888

 14.5850, 0.4149,
0.4790

320.6821, 0.3544,
0.3853

 8.5286, 0.4267,
0.5019

380.2740, 0.3522,

 4.4350, 0.4526,

0.3822

0.5474

446.8258, 0.3502,
0.3794

■ 1.9198, 0.4412,
0.5588

■ 0.5602, 0.3753,
0.6247

■ 87.7615, 0.3753,
0.4154

■ 87.7615, 0.3753,
0.4154

■ 85.1581, 0.3914,
0.4360

■ 90.5853, 0.3587,
0.3933

■ 82.7515, 0.4062,
0.4541

■ 93.6280, 0.3421,
0.3706

■ 80.5329, 0.4192,
0.4688

■ 96.9036, 0.3261,
0.3482

■ 78.4874, 0.4297,
0.4792

99.9982, 0.3127,
0.3290

■ 76.5978, 0.4373,
0.4849

■ 74.8390, 0.4423,
0.4865

■ 74.6354, 0.4428,
0.4866

Harmonies

Analogous

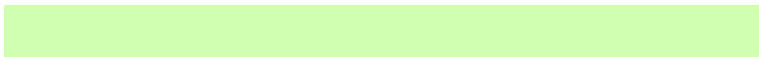
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7615, 0.4061, 0.3901



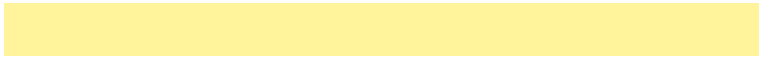
87.7615, 0.3753, 0.4154



87.7615, 0.3290, 0.4165

Triad

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



87.7615, 0.3753, 0.4154



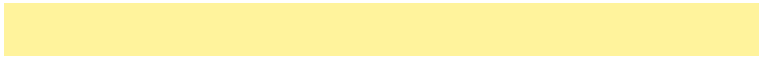
87.7615, 0.2236, 0.2925



87.7615, 0.3408, 0.2793

Complementary

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



87.7615, 0.3753, 0.4154



42.2928, 0.2429, 0.2245

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.



87.7615, 0.2902, 0.2565



87.7615, 0.3753, 0.4154



87.7615, 0.2260, 0.2612

Square

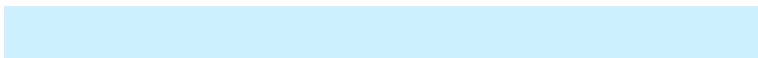
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.7615, 0.3753, 0.4154



87.7615, 0.2426, 0.3394



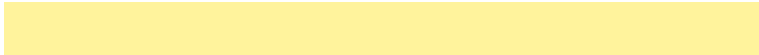
87.7615, 0.2493, 0.2495



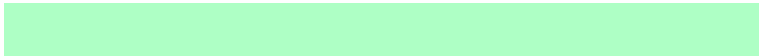
87.7615, 0.3864, 0.3134

Rectangle

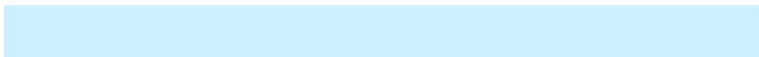
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.7615, 0.3753, 0.4154



87.7615, 0.2961, 0.4003



87.7615, 0.2493, 0.2495



87.7615, 0.3237, 0.2702

Sweetspot

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



87.7655, 0.3753, 0.4154



95.8428, 0.3312, 0.3553



47.9128, 0.3969, 0.3154



20.4220, 0.3332, 0.3582



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

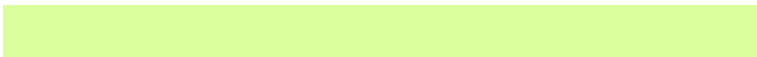
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7655, 0.3753, 0.4154



85.6235, 0.3885, 0.4324



88.9281, 0.3463, 0.4344



20.6932, 0.3272, 0.3497



39.1504, 0.4424, 0.4869



3.9132, 0.4394, 0.4893

Inverse Universe

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



42.2928, 0.2429, 0.2245



34.0872, 0.2261, 0.1980



42.2479, 0.2667, 0.2177



17.7318, 0.2979, 0.3074



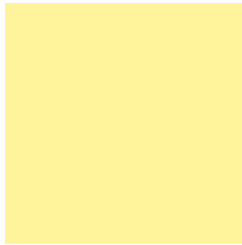
4.3914, 0.1524, 0.0687



0.5349, 0.1566, 0.0836

Previews

White Background



This preview shows how the Yxy color 87.7615, 0.3753, 0.4154 looks on a white background.

Color Contrast Check

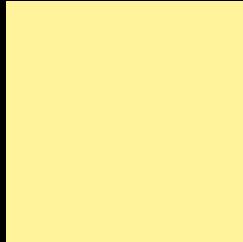
Large Text (above 18pt) WCAG AA × Fail

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 87.7615, 0.3753, 0.4154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

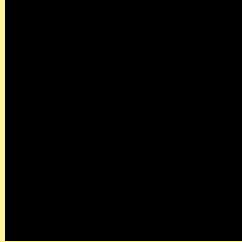
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.7615, 0.3753, 0.4154

Background



This preview shows how black text looks on a background with the Yxy color 87.7615, 0.3753, 0.4154.

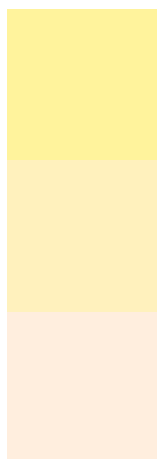


This preview shows how white text looks on a background with the Yxy color 87.7615, 0.3753, 0.4154.

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

87.7615, 0.3753, 0.4154

Protanopia

87.8447, 0.3552, 0.3811

Deuteranopia

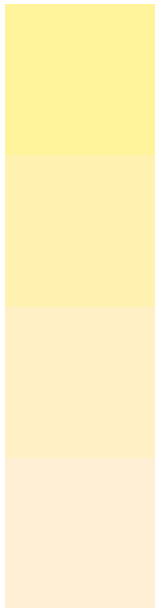
87.6830, 0.3343, 0.3449



Tritanopia

87.9047, 0.3192, 0.3193

Trichromacy



Original Color

87.7615, 0.3753, 0.4154

Protanomaly

87.9386, 0.3626, 0.3940

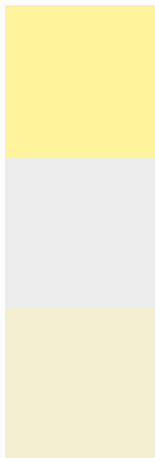
Deuteranomaly

87.6574, 0.3496, 0.3710

Tritanomaly

87.7971, 0.3400, 0.3549

Monochromacy



Original Color

87.7615, 0.3753, 0.4154

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.5202, 0.3356, 0.3607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7615, 0.3753, 0.4154 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, 243, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 156)  
}
```

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, 243, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 156) }
```

Border

The CSS property to change the border of an element to Yxy 87.7615, 0.3753, 0.4154 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, 243, 156) }
```

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

```
.border{ border-color:rgb(255, 243, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 243, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7615, 0.3753, 0.4154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 156) }
```

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

```
.background{ background-color: rgb(255,  
243, 156) }
```

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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