

Converting Colors

$Y_{xy}(100.0000, 0.4314, 0.4247)$

Have a look what the booklet for
Yxy(100.0000, 0.4314, 0.4247)
contains.

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Color

Yxy(87.4937, 0.3914, 0.4423)

Conversions

Conversions Part 1

Format	Color
Hex	FFF47F
RGB	255, 244, 127
RGB Percent	100%, 96%, 50%
CMY	0.0000, 0.0431, 0.5018
CMYK	0.00, 0.04, 0.50, 0.00
HSL	55°, 100%, 75%
HSV	55°, 50%, 100%
XYZ	77.4249, 87.4937, 32.8967
YIQ	233.9510, 44.1130, -34.0550

Conversions

Conversions Part 2

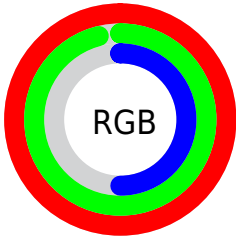
Format	Color
R_{YB}	139, 255, 127
Decimal	16774271
CIE _{Lab}	94.95, -11.26, 57.09
CIE _{LCh}	95, 58.185, 101.155
Yxy	87.4937, 0.3914, 0.4423
Android (android.graphics.Color)	4294964351 (0xFFFFF47F)
YUV	233.9510, -52.7268, 18.4600
Hunter-Lab	93.5381, -15.9406, 44.6248

Details

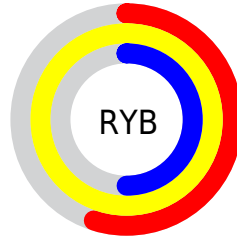
The Yxy color **87.4937, 0.3914, 0.4423** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **29.9207, 0.2185, 0.1821**, and the grayscale version is **82.6260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1574, 0.3561, 0.4008**, and **48.1966, 0.4047, 0.4645** is the 20% darker color. If you saturate the color by 10%, you get **85.6025, 0.4051, 0.4604**, and if you desaturate by 10%, it is **89.5746, 0.3762, 0.4214**.

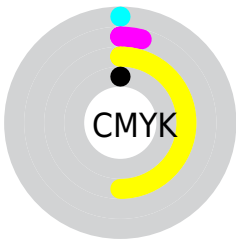
Distribution



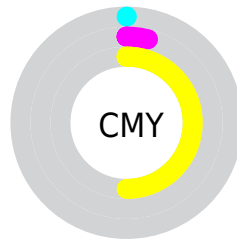
- Red (100%)
- Green (96%)
- Blue (50%)



- Red (55%)
- Yellow (100%)
- Blue (50%)



- Cyan (0%)
- Magenta (4%)
- Yellow (50%)
- Black (0%)



- Cyan (0%)
- Magenta (4%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.4937, 0.3914, 0.4423 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 87.4937, 0.3914, 0.4423 by changing the saturation by 10% instead.


 87.4937, 0.3914,
0.4423


 87.4937, 0.3914,
0.4423


519.8438, 0.3586,
0.3924

 65.9038, 0.3977,
0.4527


 143.8521, 0.3809,
0.4257

 48.1943, 0.4049,
0.4649


 179.3894, 0.3766,
0.4191

 33.9808, 0.4129,
0.4794


 220.3446, 0.3727,
0.4132

 22.8789, 0.4216,
0.4964

267.1022, 0.3693,
0.4081

 14.5041, 0.4302,
0.5162

320.0465, 0.3662,
0.4035

 8.4721, 0.4417,
0.5441

379.5620, 0.3634,

 4.3985, 0.4382,

0.3994

0.5618

446.0329, 0.3609,
0.3957

■ 1.8989, 0.4218,
0.5782

■ 0.5477, 0.3098,
0.6902

■ 87.4937, 0.3914,
0.4423

■ 87.4937, 0.3914,
0.4423

■ 85.6025, 0.4051,
0.4604

■ 89.5746, 0.3762,
0.4214

■ 83.8793, 0.4167,
0.4749

■ 91.8482, 0.3602,
0.3988

■ 82.3122, 0.4257,
0.4850

■ 94.3279, 0.3441,
0.3754

■ 80.8833, 0.4318,
0.4906

■ 97.0237, 0.3282,
0.3521

■ 79.5869, 0.4356,
0.4924

99.9446, 0.3130,
0.3294

100.0000, 0.3127,
0.3290

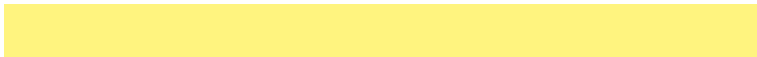
Harmonies

Analogous

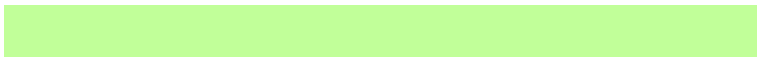
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4937, 0.4337, 0.4065



87.4937, 0.3914, 0.4423



87.4937, 0.3305, 0.4466

Triad

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



87.4937, 0.3914, 0.4423



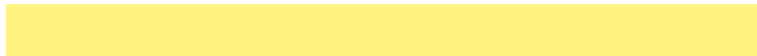
87.4937, 0.1982, 0.2782



87.4937, 0.3505, 0.2659

Complementary

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



87.4937, 0.3914, 0.4423



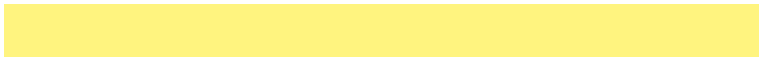
29.9207, 0.2185, 0.1821

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.



87.4937, 0.2839, 0.2370



87.4937, 0.3914, 0.4423



87.4937, 0.2022, 0.2399

Square

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



87.4937, 0.3914, 0.4423



87.4937, 0.2207, 0.3399



87.4937, 0.2315, 0.2271



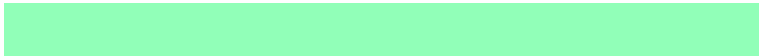
87.4937, 0.4113, 0.3086

Rectangle

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



87.4937, 0.3914, 0.4423



87.4937, 0.2879, 0.4248



87.4937, 0.2315, 0.2271



87.4937, 0.3277, 0.2545

Sweetspot

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



87.4966, 0.3914, 0.4423



95.6974, 0.3358, 0.3633



38.3362, 0.4418, 0.3163



20.3624, 0.3391, 0.3682



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.



87.4966, 0.3914, 0.4423



85.6355, 0.4048, 0.4601



85.8643, 0.3510, 0.4677



20.8079, 0.3271, 0.3505



41.6968, 0.4353, 0.4926



4.1352, 0.4332, 0.4942

Inverse Universe

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



29.9207, 0.2185, 0.1821



22.3400, 0.1987, 0.1496



31.8989, 0.2526, 0.1829



17.6285, 0.2979, 0.3065



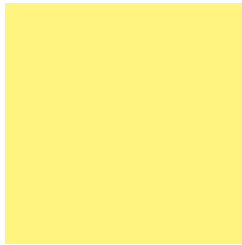
4.1562, 0.1515, 0.0654



0.4863, 0.1547, 0.0769

Previews

White Background



This preview shows how the Yxy color 87.4937, 0.3914, 0.4423 looks on a white background.

Color Contrast Check

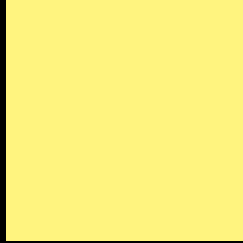
Large Text (above 18pt) WCAG AA × Fail

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 87.4937, 0.3914, 0.4423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

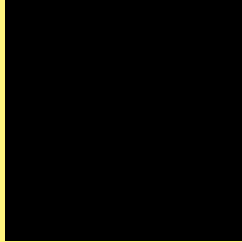
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.4937, 0.3914, 0.4423

Background



This preview shows how black text looks on a background with the Yxy color 87.4937, 0.3914, 0.4423.

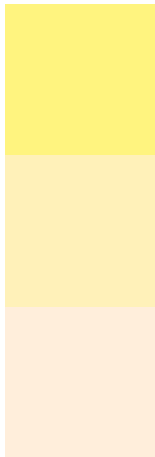


This preview shows how white text looks on a background with the Yxy color 87.4937, 0.3914, 0.4423.

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

87.4937, 0.3914, 0.4423

Protanopia

87.6734, 0.3578, 0.3851

Deuteranopia

87.5235, 0.3363, 0.3479



Tritanopia

87.2692, 0.3199, 0.3193

Trichromacy



Original Color

87.4937, 0.3914, 0.4423



Protanomaly

87.4446, 0.3708, 0.4068



Deuteranomaly

87.1253, 0.3574, 0.3832



Tritanomaly

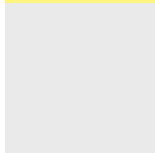
86.6733, 0.3474, 0.3651

Monochromacy



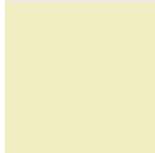
Original Color

87.4937, 0.3914, 0.4423



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

83.9664, 0.3427, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4937, 0.3914, 0.4423 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, 244, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 127)  
}
```

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, 244, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 127) }
```

Border

The CSS property to change the border of an element to Yxy 87.4937, 0.3914, 0.4423 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, 244, 127) }
```

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

```
.border{ border-color:rgb(255, 244, 127) }
```

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

Here you see how a box with a 4 pixel rgb(255, 244, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4937, 0.3914, 0.4423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 127) }
```

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

```
.background{ background-color: rgb(255,  
244, 127) }
```

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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