

Converting Colors

$Y_{xy}(87.9240, 0.3935, 0.4705)$

Have a look what the booklet for
Yxy(87.9240, 0.3935, 0.4705)
contains.

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Color

Yxy(87.9240, 0.3935, 0.4705)

Conversions

Conversions Part 1

Format	Color
Hex	F4F965
RGB	244, 249, 101
RGB Percent	96%, 98%, 40%
CMY	0.0431, 0.0235, 0.6038
CMYK	0.02, 0.00, 0.59, 0.02
HSL	62°, 93%, 69%
HSV	62°, 59%, 98%
XYZ	73.5347, 87.9240, 25.4148
YIQ	230.6330, 44.5280, -47.0880

Conversions

Conversions Part 2

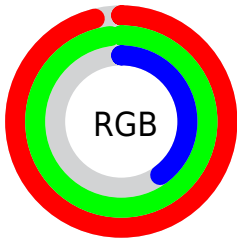
Format	Color
R_{YB}	101, 249, 106
Decimal	16054629
CIE _{Lab}	95.13, -19.99, 68.46
CIE _{LCh}	95, 71.320, 106.281
Yxy	87.9240, 0.3935, 0.4705
Android (android.graphics.Color)	4294244709 (0xFFFF4F965)
YUV	230.6330, -63.9091, 11.7229
Hunter-Lab	93.7678, -24.1101, 49.5675

Details

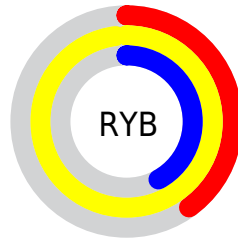
The Yxy color **87.9240, 0.3935, 0.4705** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **19.2202, 0.1996, 0.1385**, and the grayscale version is **80.0882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2143, 0.3706, 0.4247**, and **48.6214, 0.4046, 0.4981** is the 20% darker color. If you saturate the color by 10%, you get **87.3612, 0.4023, 0.4867**, and if you desaturate by 10%, it is **88.6434, 0.3824, 0.4506**.

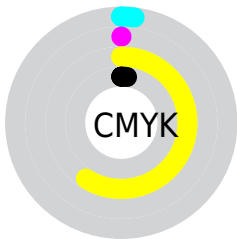
Distribution



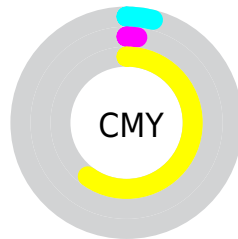
- Red (96%)
- Green (98%)
- Blue (40%)



- Red (40%)
- Yellow (98%)
- Blue (42%)



- Cyan (2%)
- Magenta (0%)
- Yellow (59%)
- Black (2%)





- Cyan (4%)
- Magenta (2%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.9240, 0.3935, 0.4705 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 87.9240, 0.3935, 0.4705 by changing the saturation by 10% instead.


 87.9240, 0.3935,
0.4705


 87.9240, 0.3935,
0.4705


521.2543, 0.3619,
0.4083

 66.2601, 0.3989,
0.4832


 144.4513, 0.3839,
0.4500

 48.4836, 0.4046,
0.4980


 180.0836, 0.3798,
0.4417

 34.2100, 0.4103,
0.5151


 221.1408, 0.3760,
0.4344

 23.0550, 0.4151,
0.5347

 268.0073, 0.3726,
0.4280

 14.6341, 0.4179,
0.5572

321.0675, 0.3696,
0.4222

 8.5630, 0.4167,
0.5833

380.7058, 0.3667,

 4.4573, 0.3990,

0.4171

0.6010

447.3066, 0.3642,
0.4125

■ 1.9325, 0.3694,
0.6306

■ 0.5678, 0.0833,
0.9167

■ 87.9240, 0.3935,
0.4705

■ 87.9240, 0.3935,
0.4705

■ 87.3612, 0.4023,
0.4867

■ 88.6434, 0.3824,
0.4506

■ 86.9291, 0.4085,
0.4987

■ 89.5194, 0.3696,
0.4278


■ 86.6152, 0.4120,
0.5062

■ 90.5668, 0.3556,
0.4031


■ 86.3940, 0.4133,
0.5098

■ 91.7956, 0.3409,
0.3777


 86.3824, 0.4133,
0.5100

 93.2150, 0.3263,
0.3523

 94.8334, 0.3119,
0.3276

 95.2789, 0.3098,
0.3232

 95.4347, 0.3103,
0.3232

 95.5911, 0.3108,
0.3232

Harmonies

Analogous

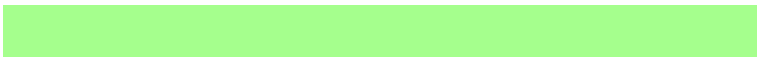
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9240, 0.4511, 0.4277



87.9240, 0.3935, 0.4705



87.9240, 0.3184, 0.4713

Triad

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



87.9240, 0.3935, 0.4705



87.9240, 0.1754, 0.2557



87.9240, 0.3723, 0.2612

Complementary

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



87.9240, 0.3935, 0.4705



19.2202, 0.1996, 0.1385

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.



87.9240, 0.2899, 0.2244



87.9240, 0.3935, 0.4705



87.9240, 0.1854, 0.2173

Square

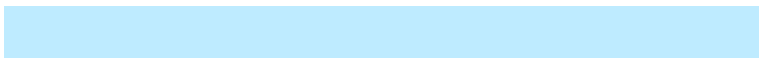
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.9240, 0.3935, 0.4705



87.9240, 0.1952, 0.3263



87.9240, 0.2240, 0.2085



87.9240, 0.4433, 0.3124

Rectangle

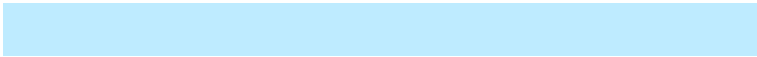
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.9240, 0.3935, 0.4705



87.9240, 0.2684, 0.4383



87.9240, 0.2240, 0.2085



87.9240, 0.3444, 0.2470

Sweetspot

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



87.9281, 0.3935, 0.4705



97.0953, 0.3389, 0.3741



31.3820, 0.4961, 0.3343



20.6954, 0.3432, 0.3816



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.



87.9281, 0.3935, 0.4705



92.1313, 0.4035, 0.4890



77.2503, 0.3419, 0.4999



20.1591, 0.3264, 0.3525



46.2504, 0.4134, 0.5099



4.2927, 0.4142, 0.5093

Inverse Universe

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



19.2202, 0.1996, 0.1385



13.8194, 0.1782, 0.1034



25.8513, 0.2553, 0.1627



16.6710, 0.2984, 0.3045



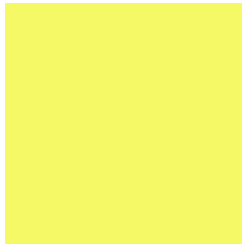
3.7023, 0.1510, 0.0606



0.3524, 0.1535, 0.0619

Previews

White Background



This preview shows how the Yxy color 87.9240, 0.3935, 0.4705 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 87.9240, 0.3935, 0.4705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

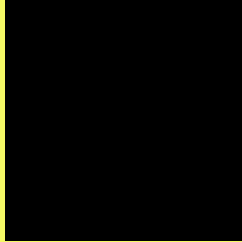
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.9240, 0.3935, 0.4705

Background



This preview shows how black text looks on a background with the Yxy color 87.9240, 0.3935, 0.4705.

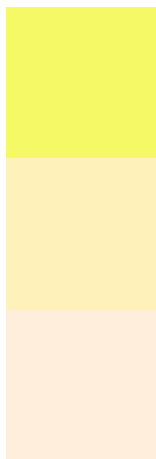


This preview shows how white text looks on a background with the Yxy color 87.9240, 0.3935, 0.4705.

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

87.9240, 0.3935, 0.4705

Protanopia

87.7158, 0.3571, 0.3841

Deuteranopia

87.5235, 0.3363, 0.3479



Tritanopia

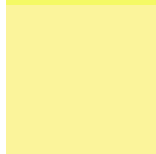
87.5162, 0.3174, 0.3154

Trichromacy



Original Color

87.9240, 0.3935, 0.4705



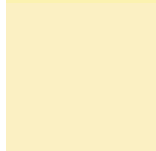
Protanomaly

87.5772, 0.3727, 0.4182



Deuteranomaly

87.1481, 0.3604, 0.3957



Tritanomaly

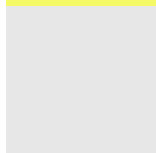
86.7695, 0.3487, 0.3745

Monochromacy



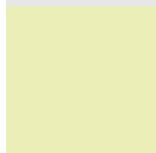
Original Color

87.9240, 0.3935, 0.4705



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.4426, 0.3455, 0.3859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9240, 0.3935, 0.4705 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(244, 249, 101)` looks like.

```
.text, #text, p{  
    color:rgb(244, 249, 101)  
}
```

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(244, 249, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 249, 101) }
```

Border

The CSS property to change the border of an element to Yxy 87.9240, 0.3935, 0.4705 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(244, 249, 101) }
```

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

```
.border{ border-color:rgb(244, 249, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 249, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 249, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 249, 101);  
box-shadow:4px 4px 4px 4px rgb(244, 249,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9240, 0.3935, 0.4705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 249, 101) }
```

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

```
.background{ background-color: rgb(244,  
249, 101) }
```

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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