

Converting Colors

$Yxy(86.8935, 0.3919, 0.4415)$

Have a look what the booklet for
Yxy(86.8935, 0.3919, 0.4415)
contains.

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Color

Yxy(86.8935, 0.3919, 0.4415)

Conversions

Conversions Part 1

Format	Color
Hex	FFF37F
RGB	255, 243, 127
RGB Percent	100%, 95%, 50%
CMY	0.0000, 0.0471, 0.5019
CMYK	0.00, 0.05, 0.50, 0.00
HSL	54°, 100%, 75%
HSV	54°, 50%, 100%
XYZ	77.1315, 86.8935, 32.7893
YIQ	233.3640, 44.3880, -33.5320

Conversions

Conversions Part 2

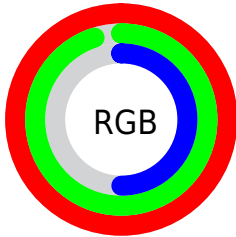
Format	Color
RYB	140, 255, 127
Decimal	16774015
CIELab	94.69, -10.75, 56.79
CIELCh	95, 57.802, 100.719
Yxy	86.8935, 0.3919, 0.4415
Android (android.graphics.Color)	4294964095 (0xFFFFF37F)
YUV	233.3640, -52.4375, 18.9748
Hunter-Lab	93.2167, -15.4306, 44.3962

Details

The Yxy color **86.8935, 0.3919, 0.4415** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **30.2039, 0.2187, 0.1833**, and the grayscale version is **82.1502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1574, 0.3561, 0.4008**, and **47.7708, 0.4054, 0.4636** is the 20% darker color. If you saturate the color by 10%, you get **84.8857, 0.4058, 0.4595**, and if you desaturate by 10%, it is **89.0831, 0.3765, 0.4208**.

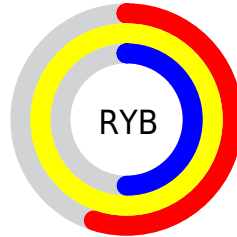
Distribution



Red (100%)

Green (95%)

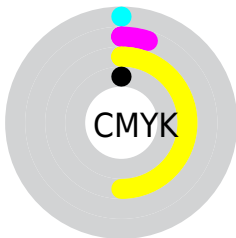
Blue (50%)



Red (55%)

Yellow (100%)

Blue (50%)

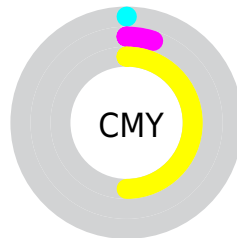


Cyan (0%)

Magenta (5%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.8935, 0.3919, 0.4415 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 86.8935, 0.3919, 0.4415 by changing the saturation by 10% instead.


 86.8935, 0.3919,
0.4415


 86.8935, 0.3919,
0.4415


517.8728, 0.3588,
0.3920


 65.4071, 0.3983,
0.4518


 143.0157, 0.3813,
0.4250

 47.7912, 0.4056,
0.4640


 178.4202, 0.3769,
0.4184

 33.6616, 0.4138,
0.4783


 219.2330, 0.3730,
0.4126

 22.6337, 0.4226,
0.4952


265.8382, 0.3696,
0.4075

 14.3233, 0.4315,
0.5149

318.6205, 0.3664,
0.4030

 8.3459, 0.4435,
0.5428

377.9641, 0.3636,

 4.3171, 0.4401,

0.3989

0.5599

444.2534, 0.3611,
0.3952

■ 1.8525, 0.4243,
0.5757

■ 0.5196, 0.3081,
0.6919

■ 86.8935, 0.3919,
0.4415

■ 86.8935, 0.3919,
0.4415

■ 84.8857, 0.4058,
0.4595

■ 89.0831, 0.3765,
0.4208

■ 83.0543, 0.4176,
0.4739

■ 91.4738, 0.3604,
0.3983

■ 81.3818, 0.4268,
0.4840

■ 94.0737, 0.3441,
0.3751

■ 79.8505, 0.4332,
0.4895

■ 96.8926, 0.3282,
0.3519

■ 78.4574, 0.4372,
0.4911

99.9397, 0.3130,
0.3294

100.0000, 0.3127,
0.3290

Harmonies

Analogous

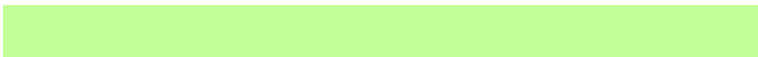
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8935, 0.4336, 0.4056



86.8935, 0.3919, 0.4415



86.8935, 0.3314, 0.4463

Triad

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



86.8935, 0.3919, 0.4415



86.8935, 0.1988, 0.2792



86.8935, 0.3494, 0.2656

Complementary

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



86.8935, 0.3919, 0.4415



30.2039, 0.2187, 0.1833

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.



86.8935, 0.2831, 0.2371



86.8935, 0.3919, 0.4415



86.8935, 0.2023, 0.2406

Square

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



86.8935, 0.3919, 0.4415



86.8935, 0.2215, 0.3409



86.8935, 0.2312, 0.2275



86.8935, 0.4102, 0.3080

Rectangle

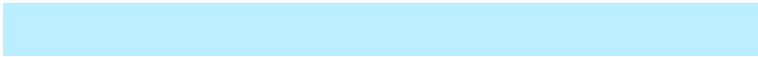
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.8935, 0.3919, 0.4415



86.8935, 0.2889, 0.4250



86.8935, 0.2312, 0.2275



86.8935, 0.3267, 0.2543

Sweetspot

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



86.8909, 0.3919, 0.4415



95.5089, 0.3358, 0.3630



38.3303, 0.4419, 0.3163



20.3165, 0.3392, 0.3679



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

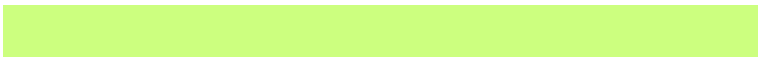
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8909, 0.3919, 0.4415



84.9222, 0.4055, 0.4592



85.8626, 0.3511, 0.4678



20.7822, 0.3271, 0.3503



41.1154, 0.4368, 0.4914



4.0846, 0.4346, 0.4931

Inverse Universe

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



30.2039, 0.2187, 0.1833



22.6167, 0.1990, 0.1509



31.8921, 0.2526, 0.1829



17.6516, 0.2979, 0.3067



4.2032, 0.1517, 0.0661



0.4971, 0.1551, 0.0784

Previews

White Background



This preview shows how the Yxy color 86.8935, 0.3919, 0.4415 looks on a white background.

Color Contrast Check

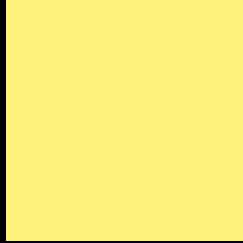
Large Text (above 18pt) WCAG AA × Fail

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 86.8935, 0.3919, 0.4415 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 86.8935, 0.3919, 0.4415

Background



This preview shows how black text looks on a background with the Yxy color 86.8935, 0.3919, 0.4415.

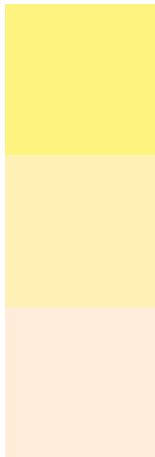


This preview shows how white text looks on a background with the Yxy color 86.8935, 0.3919, 0.4415.

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

86.8935, 0.3919, 0.4415

Protanopia

86.9164, 0.3606, 0.3882

Deuteranopia

86.8381, 0.3377, 0.3489



Tritanopia

86.6373, 0.3206, 0.3193

Trichromacy



Original Color

86.8935, 0.3919, 0.4415



Protanomaly

86.7438, 0.3730, 0.4089



Deuteranomaly

86.4537, 0.3589, 0.3843



Tritanomaly

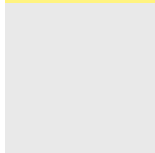
86.0454, 0.3483, 0.3651

Monochromacy



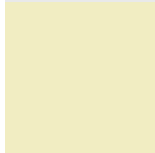
Original Color

86.8935, 0.3919, 0.4415



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.1642, 0.3429, 0.3737

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8935, 0.3919, 0.4415 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, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 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, 243, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 127) }
```

Border

The CSS property to change the border of an element to Yxy 86.8935, 0.3919, 0.4415 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, 127) }
```

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

```
.border{ border-color:rgb(255, 243, 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, 243, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8935, 0.3919, 0.4415 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, 127) }
```

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

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