

Converting Colors

$Y_{xy}(100.0000, 0.4239, 0.4068)$

Have a look what the booklet for
Yxy(100.0000, 0.4239, 0.4068)
contains.

Yxy(86.2772, 0.3814, 0.4221)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.2772, 0.3814, 0.4221)

Conversions

Conversions Part 1

Format	Color
Hex	FFF193
RGB	255, 241, 147
RGB Percent	100%, 95%, 58%
CMY	0.0001, 0.0549, 0.4234
CMYK	0.00, 0.05, 0.42, 0.00
HSL	52°, 100%, 79%
HSV	52°, 42%, 100%
XYZ	77.9581, 86.2772, 40.1646
YIQ	234.4700, 38.5180, -26.2660

Conversions

Conversions Part 2

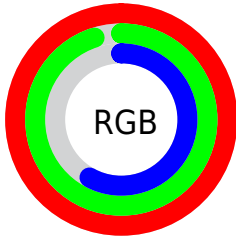
Format	Color
R _Y B	163, 255, 147
Decimal	16773523
CIE Lab	94.43, -7.96, 46.96
CIE LCh	94, 47.632, 99.621
Yxy	86.2772, 0.3814, 0.4221
Android (android.graphics.Color)	4294963603 (0xFFFFF193)
YUV	234.4700, -43.1227, 18.0048
Hunter-Lab	92.8855, -12.7359, 39.3823

Details

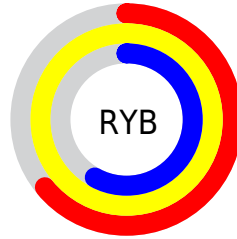
The Yxy color **86.2772, 0.3814, 0.4221** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.9182, 0.2359, 0.2143**, and the grayscale version is **82.9688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0443, 0.3442, 0.3810**, and **47.3764, 0.3952, 0.4416** is the 20% darker color. If you saturate the color by 10%, you get **83.6314, 0.3973, 0.4418**, and if you desaturate by 10%, it is **89.1437, 0.3647, 0.4006**.

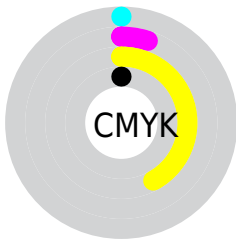
Distribution



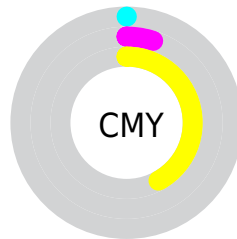
- Red (100%)
- Green (95%)
- Blue (58%)



- Red (64%)
- Yellow (100%)
- Blue (58%)



- Cyan (0%)
- Magenta (5%)
- Yellow (42%)
- Black (0%)



- Cyan (0%)
- Magenta (5%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.2772, 0.3814, 0.4221 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 86.2772, 0.3814, 0.4221 by changing the saturation by 10% instead.

 86.2772, 0.3814,
0.4221

 86.2772, 0.3814,
0.4221


515.8448, 0.3519,
0.3807

 64.8972, 0.3874,
0.4309


 142.1563, 0.3717,
0.4082

 47.3777, 0.3945,
0.4415


 177.4241, 0.3678,
0.4026

 33.3344, 0.4027,
0.4542


218.0901, 0.3643,
0.3978

 22.3827, 0.4123,
0.4698

264.5385, 0.3613,
0.3935

 14.1384, 0.4232,
0.4887

317.1538, 0.3585,
0.3898

 8.2170, 0.4346,
0.5114

376.3203, 0.3561,

 4.2341, 0.4524,

0.3864

0.5476

442.4225, 0.3539,
0.3834

■ 1.8054, 0.4406,
0.5594

■ 0.4905, 0.3566,
0.6434

■ 86.2772, 0.3814,
0.4221

■ 86.2772, 0.3814,
0.4221

■ 83.6314, 0.3973,
0.4418

■ 89.1437, 0.3647,
0.4006

■ 81.1825, 0.4118,
0.4587

■ 92.2299, 0.3480,
0.3782

■ 78.9207, 0.4243,
0.4718

■ 95.5500, 0.3317,
0.3558

■ 76.8308, 0.4340,
0.4805

■ 99.1132, 0.3162,
0.3339

■ 74.8938, 0.4410,
0.4846

99.9957, 0.3127,
0.3290

■ 73.4908, 0.4446,
0.4852

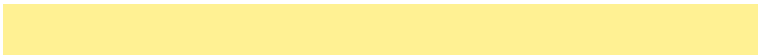
Harmonies

Analogous

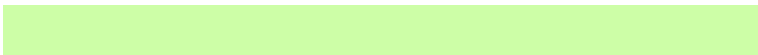
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.2772, 0.4144, 0.3934



86.2772, 0.3814, 0.4221



86.2772, 0.3315, 0.4250

Triad

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



86.2772, 0.3814, 0.4221



86.2772, 0.2169, 0.2903



86.2772, 0.3415, 0.2745

Complementary

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



86.2772, 0.3814, 0.4221



38.9182, 0.2359, 0.2143

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.



86.2772, 0.2867, 0.2505



86.2772, 0.3814, 0.4221



86.2772, 0.2189, 0.2562

Square

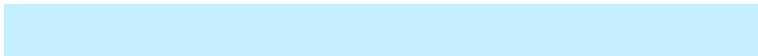
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.2772, 0.3814, 0.4221



86.2772, 0.2378, 0.3416



86.2772, 0.2431, 0.2434



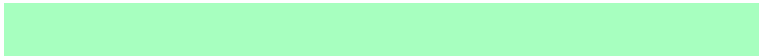
86.2772, 0.3916, 0.3107

Rectangle

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



86.2772, 0.3814, 0.4221



86.2772, 0.2958, 0.4081



86.2772, 0.2431, 0.2434



86.2772, 0.3228, 0.2649

Sweetspot

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



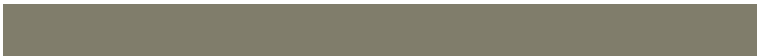
86.2812, 0.3814, 0.4221



95.3397, 0.3328, 0.3572



44.7250, 0.4084, 0.3142



20.2461, 0.3363, 0.3622



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

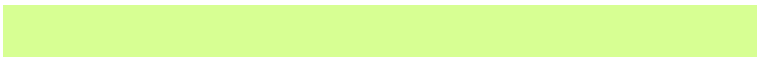
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.2812, 0.3814, 0.4221



83.9892, 0.3953, 0.4394



88.1213, 0.3488, 0.4444



20.6660, 0.3272, 0.3495



38.5650, 0.4441, 0.4855



3.8619, 0.4409, 0.4881

Inverse Universe

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



38.9182, 0.2359, 0.2143



30.8559, 0.2182, 0.1863



38.6161, 0.2615, 0.2065



17.7564, 0.2979, 0.3076



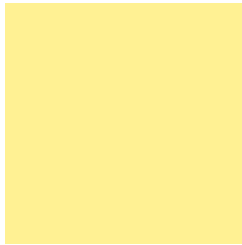
4.4570, 0.1527, 0.0696



0.5464, 0.1570, 0.0851

Previews

White Background



This preview shows how the Yxy color 86.2772, 0.3814, 0.4221 looks on a white background.

Color Contrast Check

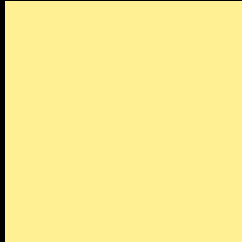
Large Text (above 18pt) WCAG AA × Fail

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 86.2772, 0.3814, 0.4221 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 86.2772, 0.3814, 0.4221

Background



This preview shows how black text looks on a background with the Yxy color 86.2772, 0.3814, 0.4221.



This preview shows how white text looks on a background with the Yxy color 86.2772, 0.3814, 0.4221.

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

86.2772, 0.3814, 0.4221

Protanopia

86.2477, 0.3622, 0.3893

Deuteranopia

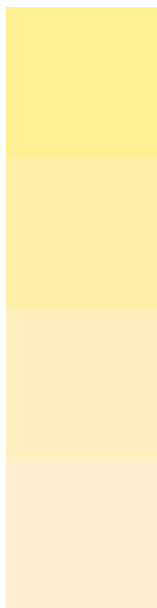
86.2607, 0.3379, 0.3480



Tritanopia

86.0695, 0.3207, 0.3183

Trichromacy



Original Color

86.2772, 0.3814, 0.4221

Protanomaly

86.3702, 0.3695, 0.4021

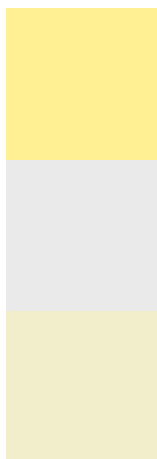
Deuteranomaly

86.2148, 0.3540, 0.3752

Tritanomaly

85.8544, 0.3432, 0.3560

Monochromacy



Original Color

86.2772, 0.3814, 0.4221

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.7099, 0.3384, 0.3652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.2772, 0.3814, 0.4221 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, 241, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 147)  
}
```

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, 241, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 147) }
```

Border

The CSS property to change the border of an element to Yxy 86.2772, 0.3814, 0.4221 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, 241, 147) }
```

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

```
.border{ border-color:rgb(255, 241, 147) }
```

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

Here you see how a box with a 4 pixel rgb(255, 241, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 86.2772, 0.3814, 0.4221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 147) }
```

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

```
.background{ background-color: rgb(255,  
241, 147) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor