

Converting Colors

$Y_{xy}(100.0000, 0.4019, 0.3770)$

Have a look what the booklet for
Yxy(100.0000, 0.4019, 0.3770)
contains.

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Color

Yxy(86.4119, 0.3596, 0.3853)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFEFB7 |
| RGB | 255, 239, 183 |
| RGB Percent | 100%, 94%, 72% |
| CMY | 0.0000, 0.0627, 0.2825 |
| CMYK | 0.00, 0.06, 0.28, 0.00 |
| HSL | 47°, 100%, 86% |
| HSV | 47°, 28%, 100% |
| XYZ | 80.6481, 86.4119, 57.2117 |
| YIQ | 237.4000, 27.5120, -14.0240 |

Conversions

Conversions Part 2

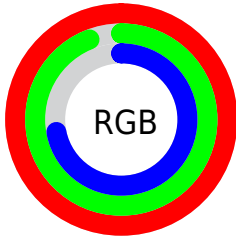
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 204, 255, 183 |
| Decimal | 16773047 |
| CIE Lab | 94.49, -2.89, 29.11 |
| CIE LCh | 94, 29.251, 95.661 |
| Yxy | 86.4119, 0.3596, 0.3853 |
| Android (android.graphics.Color) | 4294963127 (0xFFFFE7B7) |
| YUV | 237.4000, -26.8192, 15.4352 |
| Hunter-Lab | 92.9580, -7.8142, 28.5801 |

Details

The Yxy color **86.4119, 0.3596, 0.3853** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **58.1062, 0.2649, 0.2655**, and the grayscale version is **85.2071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0120, 0.3220, 0.3444**, and **47.4844, 0.3697, 0.3967** is the 20% darker color. If you saturate the color by 10%, you get **82.1877, 0.3779, 0.4054**, and if you desaturate by 10%, it is **90.9399, 0.3420, 0.3649**.

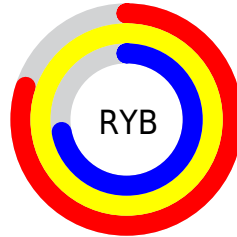
Distribution



Red (100%)

Green (94%)

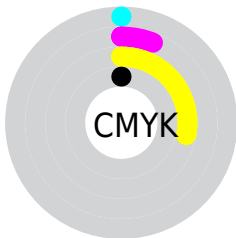
Blue (72%)



Red (80%)

Yellow (100%)

Blue (72%)

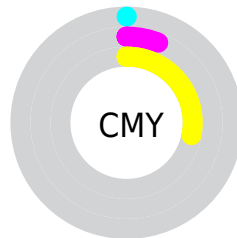


Cyan (0%)

Magenta (6%)

Yellow (28%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.4119, 0.3596, 0.3853 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 86.4119, 0.3596, 0.3853 by changing the saturation by 10% instead.

 86.4119, 0.3596,
0.3853

 86.4119, 0.3596,
0.3853


516.2884, 0.3388,
0.3601

 65.0086, 0.3641,
0.3908


 142.3441, 0.3526,
0.3767

 47.4681, 0.3695,
0.3975


177.6419, 0.3498,
0.3733

 33.4058, 0.3762,
0.4058

218.3400, 0.3474,
0.3704

 22.4375, 0.3844,
0.4162

264.8227, 0.3452,
0.3678

 14.1787, 0.3950,
0.4297

317.4745, 0.3434,
0.3655

 8.2451, 0.4087,
0.4476

376.6798, 0.3417,

 4.2522, 0.4265,

0.3635

0.4718

442.8230, 0.3402,
0.3617

■ 1.8156, 0.4707,
0.5293

■ 0.4969, 0.4471,
0.5529

■ 86.4119, 0.3596,
0.3853

■ 86.4119, 0.3596,
0.3853

■ 82.1877, 0.3779,
0.4054

■ 90.9399, 0.3420,
0.3649

■ 78.2443, 0.3963,
0.4244

■ 95.7706, 0.3254,
0.3449

■ 74.5732, 0.4141,
0.4412

99.9979, 0.3127,
0.3290

■ 71.1609, 0.4305,
0.4547

■ 67.9919, 0.4447,
0.4640

■ 65.0483, 0.4561,
0.4686

■ 62.3056, 0.4646,
0.4685

■ 61.8387, 0.4659,
0.4683

Harmonies

Analogous

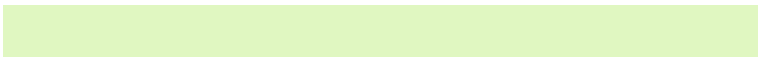
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.4119, 0.3770, 0.3680



86.4119, 0.3596, 0.3853



86.4119, 0.3300, 0.3873

Triad

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



86.4119, 0.3596, 0.3853



86.4119, 0.2529, 0.3102



86.4119, 0.3265, 0.2917

Complementary

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



86.4119, 0.3596, 0.3853



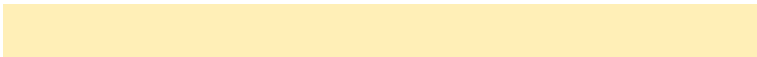
58.1062, 0.2649, 0.2655

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.



86.4119, 0.2930, 0.2773



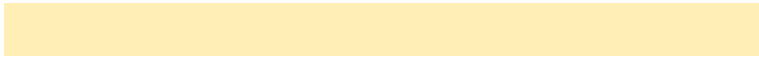
86.4119, 0.3596, 0.3853



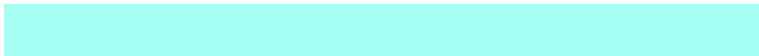
86.4119, 0.2520, 0.2863

Square

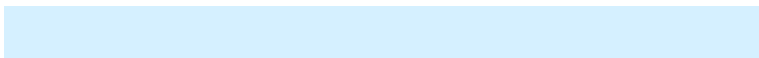
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.4119, 0.3596, 0.3853



86.4119, 0.2689, 0.3418



86.4119, 0.2662, 0.2750



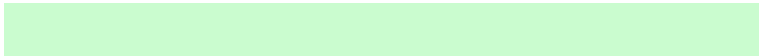
86.4119, 0.3576, 0.3149

Rectangle

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



86.4119, 0.3596, 0.3853



86.4119, 0.3077, 0.3784



86.4119, 0.2662, 0.2750



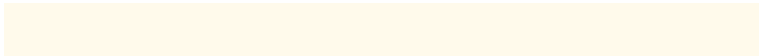
86.4119, 0.3151, 0.2858

Sweetspot

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



86.4158, 0.3596, 0.3853



95.9015, 0.3251, 0.3444



59.2729, 0.3605, 0.3117



20.3668, 0.3275, 0.3474



0.0000, 0.0000, 0.0000



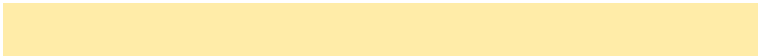
21.4041, 0.3127, 0.3290

Same Dimension

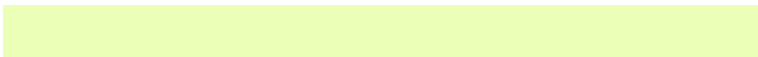
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4158, 0.3596, 0.3853



83.9546, 0.3701, 0.3970



92.7267, 0.3426, 0.4030



20.3668, 0.3275, 0.3474



32.5474, 0.4650, 0.4690



3.3294, 0.4587, 0.4740

Inverse Universe

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



58.1062, 0.2649, 0.2655



51.3454, 0.2540, 0.2501



53.6558, 0.2764, 0.2497



18.0311, 0.2979, 0.3099



5.4591, 0.1564, 0.0831



0.6853, 0.1620, 0.1030

Previews

White Background



This preview shows how the Yxy color 86.4119, 0.3596, 0.3853 looks on a white background.

Color Contrast Check

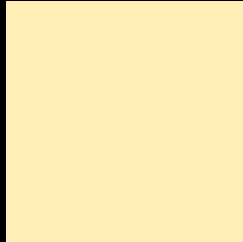
Large Text (above 18pt) WCAG AA × Fail

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 86.4119, 0.3596, 0.3853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

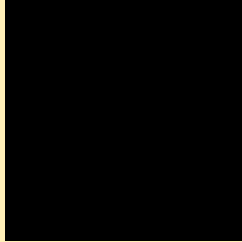
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.4119, 0.3596, 0.3853

Background



This preview shows how black text looks on a background with the Yxy color 86.4119, 0.3596, 0.3853.



This preview shows how white text looks on a background with the Yxy color 86.4119, 0.3596, 0.3853.

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

86.4119, 0.3596, 0.3853

Protanopia

86.4958, 0.3583, 0.3832

Deuteranopia

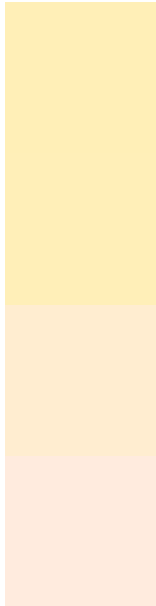
86.5248, 0.3346, 0.3429



Tritanopia

86.1304, 0.3200, 0.3173

Trichromacy



Original Color

86.4119, 0.3596, 0.3853

Protanomaly

86.4537, 0.3589, 0.3843

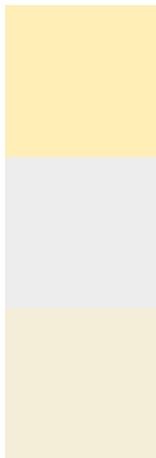
Deuteranomaly

86.3824, 0.3436, 0.3580

Tritanomaly

85.9506, 0.3347, 0.3420

Monochromacy



Original Color

86.4119, 0.3596, 0.3853

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.3919, 0.3300, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.4119, 0.3596, 0.3853 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, 239, 183)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 183)  
}
```

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, 239, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 183) }
```

Border

The CSS property to change the border of an element to Yxy 86.4119, 0.3596, 0.3853 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, 239, 183) }
```

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

```
.border{ border-color:rgb(255, 239, 183) }
```

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

Here you see how a box with a 4 pixel rgb(255, 239, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 183);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 86.4119, 0.3596, 0.3853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 183) }
```

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

```
.background{ background-color: rgb(255,  
239, 183) }
```

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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