

Converting Colors

$Y_{xy}(95.0815, 0.4110, 0.4025)$

Have a look what the booklet for
Yxy(95.0815, 0.4110, 0.4025)
contains.

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Color

Yxy(85.3596, 0.3774, 0.4129)

Conversions

Conversions Part 1

Format	Color
Hex	FFEF9B
RGB	255, 239, 155
RGB Percent	100%, 94%, 61%
CMY	0.0000, 0.0627, 0.3923
CMYK	0.00, 0.06, 0.39, 0.00
HSL	50°, 100%, 80%
HSV	50°, 39%, 100%
XYZ	78.0206, 85.3596, 43.3517
YIQ	234.2080, 36.5000, -22.7320

Conversions

Conversions Part 2

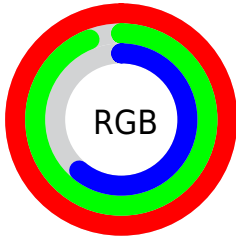
Format	Color
RYB	174, 255, 155
Decimal	16773019
CIELab	94.04, -6.14, 42.59
CIELCh	94, 43.027, 98.207
Yxy	85.3596, 0.3774, 0.4129
Android (android.graphics.Color)	4294963099 (0xFFFFEF9B)
YUV	234.2080, -39.0495, 18.2346
Hunter-Lab	92.3903, -10.9454, 36.8529

Details

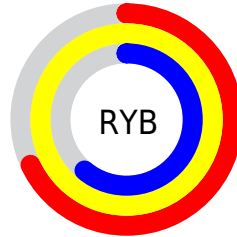
The Yxy color **85.3596, 0.3774, 0.4129** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.2880, 0.2428, 0.2279**, and the grayscale version is **82.7247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4331, 0.3394, 0.3731**, and **46.6966, 0.3907, 0.4308** is the 20% darker color. If you saturate the color by 10%, you get **82.2349, 0.3943, 0.4328**, and if you desaturate by 10%, it is **88.7253, 0.3602, 0.3916**.

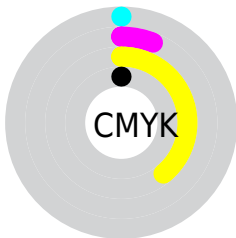
Distribution



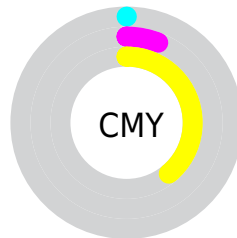
- Red (100%)
- Green (94%)
- Blue (61%)



- Red (68%)
- Yellow (100%)
- Blue (61%)



- Cyan (0%)
- Magenta (6%)
- Yellow (39%)
- Black (0%)



- Cyan (0%)
- Magenta (6%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.3596, 0.3774, 0.4129 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 85.3596, 0.3774, 0.4129 by changing the saturation by 10% instead.


 85.3596, 0.3774,
0.4129


 85.3596, 0.3774,
0.4129


512.8172, 0.3493,
0.3754

 64.1385, 0.3833,
0.4210


 140.8755, 0.3681,
0.4003

 46.7629, 0.3902,
0.4306


 175.9391, 0.3643,
0.3952

 32.8483, 0.3984,
0.4424


216.3857, 0.3610,
0.3909

 22.0102, 0.4082,
0.4568

262.5997, 0.3581,
0.3870

 13.8644, 0.4199,
0.4747

314.9654, 0.3555,
0.3836

 8.0264, 0.4330,
0.4968

373.8673, 0.3532,

 4.1119, 0.4602,

0.3806

0.5398

439.6898, 0.3511,
0.3779

■ 1.7363, 0.4510,
0.5490

■ 0.4470, 0.3808,
0.6192

■ 85.3596, 0.3774,
0.4129

■ 85.3596, 0.3774,
0.4129

■ 82.2349, 0.3943,
0.4328

■ 88.7253, 0.3602,
0.3916

■ 79.3300, 0.4102,
0.4503

■ 92.3333, 0.3432,
0.3698

■ 76.6347, 0.4243,
0.4643

■ 96.1969, 0.3269,
0.3482

■ 74.1342, 0.4360,
0.4740

100.0000, 0.3127,
0.3290

■ 71.8107, 0.4448,
0.4791

■ 69.6377, 0.4509,
0.4799

■ 69.4751, 0.4513,
0.4798

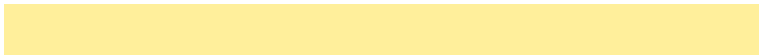
Harmonies

Analogous

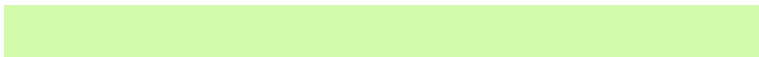
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3596, 0.4060, 0.3868



85.3596, 0.3774, 0.4129



85.3596, 0.3325, 0.4160

Triad

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



85.3596, 0.3774, 0.4129



85.3596, 0.2255, 0.2962



85.3596, 0.3366, 0.2778

Complementary

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



85.3596, 0.3774, 0.4129



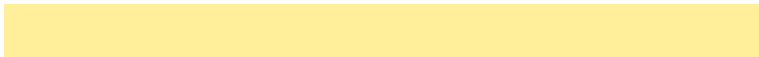
43.2880, 0.2428, 0.2279

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.



85.3596, 0.2870, 0.2564



85.3596, 0.3774, 0.4129



85.3596, 0.2263, 0.2639

Square

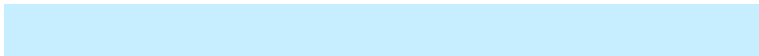
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.3596, 0.3774, 0.4129



85.3596, 0.2459, 0.3431



85.3596, 0.2478, 0.2508



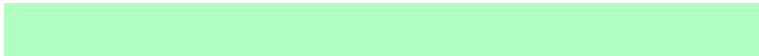
85.3596, 0.3824, 0.3109

Rectangle

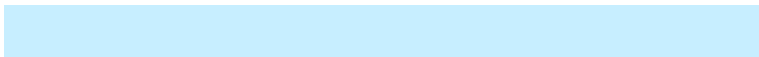
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.3596, 0.3774, 0.4129



85.3596, 0.3000, 0.4015



85.3596, 0.2478, 0.2508



85.3596, 0.3197, 0.2692

Sweetspot

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



85.3627, 0.3774, 0.4129



95.1025, 0.3313, 0.3541



47.6507, 0.3949, 0.3117



20.2467, 0.3334, 0.3569



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

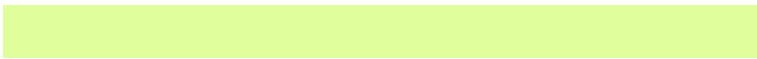
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3627, 0.3774, 0.4129



82.9142, 0.3906, 0.4285



89.3594, 0.3488, 0.4348



20.5671, 0.3273, 0.3488



36.4871, 0.4507, 0.4803



3.6792, 0.4465, 0.4836

Inverse Universe

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



43.2880, 0.2428, 0.2279



35.5960, 0.2271, 0.2038



41.3761, 0.2636, 0.2156



17.8465, 0.2979, 0.3084



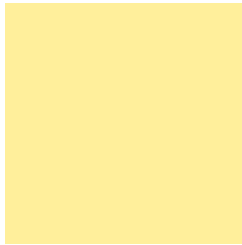
4.7302, 0.1537, 0.0734



0.5885, 0.1585, 0.0907

Previews

White Background



This preview shows how the Yxy color 85.3596, 0.3774, 0.4129 looks on a white background.

Color Contrast Check

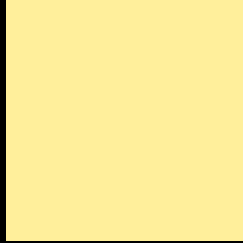
Large Text (above 18pt) WCAG AA × Fail

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 85.3596, 0.3774, 0.4129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

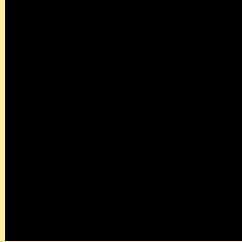
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.3596, 0.3774, 0.4129

Background



This preview shows how black text looks on a background with the Yxy color 85.3596, 0.3774, 0.4129.



This preview shows how white text looks on a background with the Yxy color 85.3596, 0.3774, 0.4129.

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

85.3596, 0.3774, 0.4129

Protanopia

85.4262, 0.3663, 0.3944

Deuteranopia

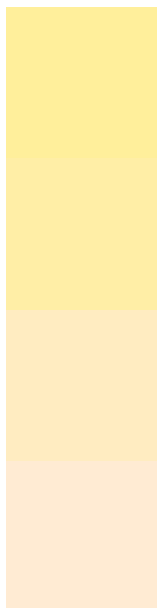
85.0119, 0.3395, 0.3480



Tritanopia

85.4443, 0.3214, 0.3183

Trichromacy



Original Color

85.3596, 0.3774, 0.4129

Protanomaly

85.1622, 0.3708, 0.4013

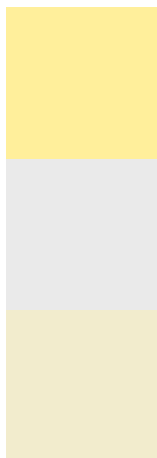
Deuteranomaly

85.1012, 0.3538, 0.3723

Tritanomaly

85.3798, 0.3420, 0.3531

Monochromacy



Original Color

85.3596, 0.3774, 0.4129

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.2759, 0.3366, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3596, 0.3774, 0.4129 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 155) }
```

Border

The CSS property to change the border of an element to Yxy 85.3596, 0.3774, 0.4129 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, 155) }
```

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

```
.border{ border-color:rgb(255, 239, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3596, 0.3774, 0.4129 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, 155) }
```

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

```
.background{ background-color: rgb(255,  
239, 155) }
```

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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