

Converting Colors

$Yxy(86.5701, 0.3339, 0.3894)$

Have a look what the booklet for
Yxy(86.5701, 0.3339, 0.3894)
contains.

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Color

Yxy(86.5701, 0.3339, 0.3894)

Conversions

Conversions Part 1

Format	Color
Hex	E3F7BE
RGB	227, 247, 190
RGB Percent	89%, 97%, 75%
CMY	0.1098, 0.0313, 0.2549
CMYK	0.08, 0.00, 0.23, 0.03
HSL	81°, 78%, 86%
HSV	81°, 23%, 97%
XYZ	74.2315, 86.5701, 61.5150
YIQ	234.5220, 6.3770, -21.9670

Conversions

Conversions Part 2

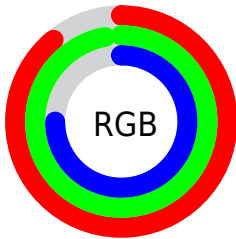
Format	Color
R_{YB}	190, 247, 210
Decimal	14940094
CIE Lab	94.56, -16.08, 25.28
CIE LCh	95, 29.956, 122.461
Yxy	86.5701, 0.3339, 0.3894
Android (android.graphics.Color)	4293130174 (0xFFE3F7BE)
YUV	234.5220, -21.9493, -6.5968
Hunter-Lab	93.0431, -20.4146, 25.9308

Details

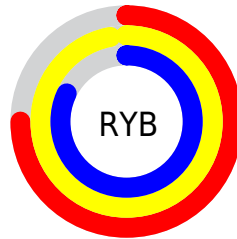
The Yxy color **86.5701, 0.3339, 0.3894** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **57.2509, 0.2876, 0.2665**, and the grayscale version is **82.8631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4954, 0.3173, 0.3367**, and **47.6971, 0.3380, 0.4043** is the 20% darker color. If you saturate the color by 10%, you get **84.2085, 0.3426, 0.4176**, and if you desaturate by 10%, it is **89.1934, 0.3247, 0.3622**.

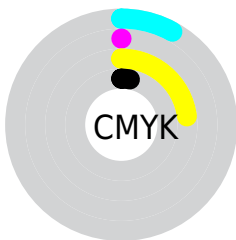
Distribution



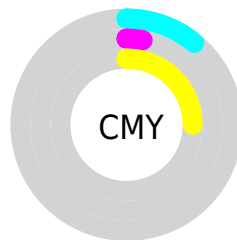
- Red (89%)
- Green (97%)
- Blue (75%)



- Red (75%)
- Yellow (97%)
- Blue (82%)



- Cyan (8%)
- Magenta (0%)
- Yellow (23%)
- Black (3%)





- Cyan (11%)
- Magenta (3%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.5701, 0.3339, 0.3894 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 86.5701, 0.3339, 0.3894 by changing the saturation by 10% instead.

 86.5701, 0.3339,
0.3894

 86.5701, 0.3339,
0.3894


516.8092, 0.3249,
0.3616

 65.1395, 0.3358,
0.3957


 142.5648, 0.3309,
0.3798

 47.5742, 0.3380,
0.4034


177.8977, 0.3297,
0.3761

 33.4898, 0.3406,
0.4131


218.6334, 0.3287,
0.3728

 22.5019, 0.3438,
0.4257

265.1564, 0.3277,
0.3700

 14.2262, 0.3476,
0.4426

317.8511, 0.3269,
0.3675

 8.2781, 0.3521,
0.4662


377.1019, 0.3261,


 4.2734, 0.3567,


0.3653


0.5012


443.2931, 0.3255,
0.3634


 1.8277, 0.3914,
0.6086


 0.5043, 0.1469,
0.8531

 86.5701, 0.3339,
0.3894


 86.5701, 0.3339,
0.3894


 84.2085, 0.3426,
0.4176


 89.1934, 0.3247,
0.3622


 82.0870, 0.3505,
0.4459

 92.0766, 0.3155,
0.3365

 80.1982, 0.3569,
0.4732

 94.6318, 0.3118,
0.3213

 78.5301, 0.3615,
0.4983

 95.0066, 0.3131,
0.3214

■ 77.0691, 0.3638,
0.5198

■ 75.7998, 0.3635,
0.5367

■ 74.7035, 0.3608,
0.5484

■ 74.0274, 0.3579,
0.5541

Harmonies

Analogous

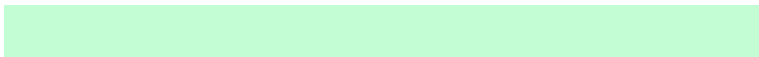
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5701, 0.3633, 0.3853



86.5701, 0.3339, 0.3894



86.5701, 0.2999, 0.3747

Triad

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



86.5701, 0.3339, 0.3894



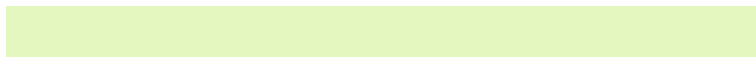
86.5701, 0.2500, 0.2873



86.5701, 0.3557, 0.3117

Complementary

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



86.5701, 0.3339, 0.3894



57.2509, 0.2876, 0.2665

Split Complementary

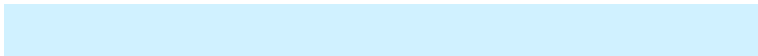
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.5701, 0.3230, 0.2888



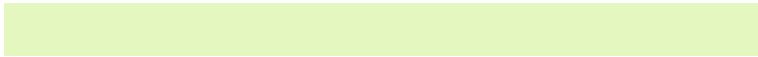
86.5701, 0.3339, 0.3894



86.5701, 0.2629, 0.2744

Square

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



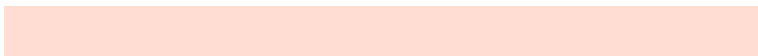
86.5701, 0.3339, 0.3894



86.5701, 0.2526, 0.3130



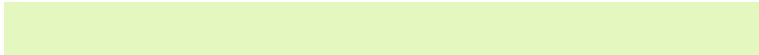
86.5701, 0.2891, 0.2753



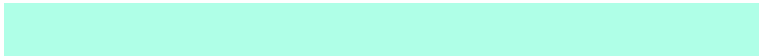
86.5701, 0.3768, 0.3395

Rectangle

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



86.5701, 0.3339, 0.3894



86.5701, 0.2792, 0.3563



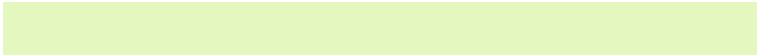
86.5701, 0.2891, 0.2753



86.5701, 0.3456, 0.3033

Sweetspot

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



86.5739, 0.3339, 0.3894



97.7336, 0.3191, 0.3464



69.5657, 0.3558, 0.3501



20.8786, 0.3197, 0.3480



0.0000, 0.0000, 0.0000



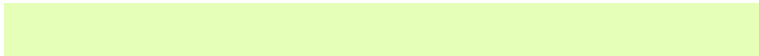
21.4041, 0.3127, 0.3290

Same Dimension

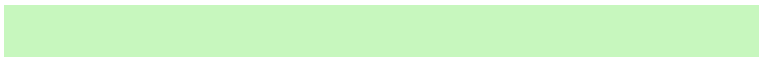
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.5739, 0.3339, 0.3894



91.7746, 0.3383, 0.4033



82.3261, 0.3151, 0.3931



19.0054, 0.3214, 0.3528



39.2300, 0.3589, 0.5533



3.5052, 0.3665, 0.5472

Inverse Universe

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



57.2509, 0.2876, 0.2665



54.8429, 0.2811, 0.2514



61.8022, 0.3089, 0.2703



16.2097, 0.3034, 0.3049



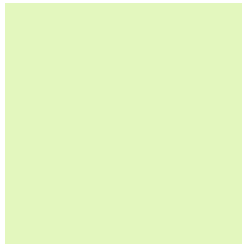
4.6881, 0.1770, 0.0749



0.4672, 0.1906, 0.0824

Previews

White Background



This preview shows how the Yxy color 86.5701, 0.3339, 0.3894 looks on a white background.

Color Contrast Check

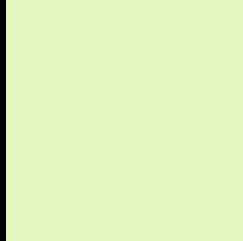
Large Text (above 18pt) WCAG AA × Fail

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 86.5701, 0.3339, 0.3894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

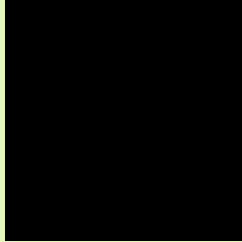
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

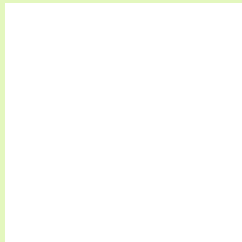
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.5701, 0.3339, 0.3894

Background



This preview shows how black text looks on a background with the Yxy color 86.5701, 0.3339, 0.3894.

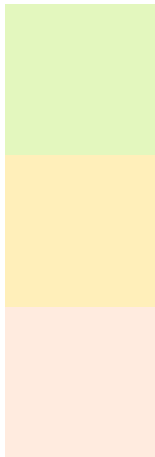


This preview shows how white text looks on a background with the Yxy color 86.5701, 0.3339, 0.3894.

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

86.5701, 0.3339, 0.3894

Protanopia

86.5382, 0.3576, 0.3822

Deuteranopia

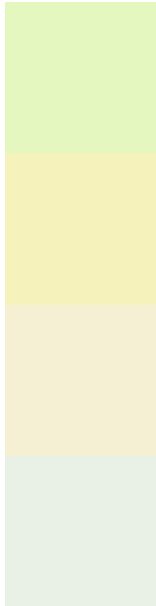
86.0044, 0.3341, 0.3410



Tritanopia

86.3736, 0.3018, 0.3120

Trichromacy



Original Color

86.5701, 0.3339, 0.3894

Protanomaly

86.5046, 0.3492, 0.3854

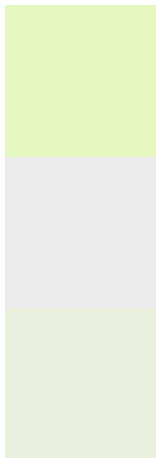
Deuteranomaly

85.8486, 0.3344, 0.3576

Tritanomaly

86.0038, 0.3135, 0.3393

Monochromacy



Original Color

86.5701, 0.3339, 0.3894

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.0033, 0.3204, 0.3499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5701, 0.3339, 0.3894 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(227, 247, 190)` looks like.

```
.text, #text, p{  
    color:rgb(227, 247, 190)  
}
```

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(227, 247, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 247, 190) }
```

Border

The CSS property to change the border of an element to Yxy 86.5701, 0.3339, 0.3894 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(227, 247, 190) }
```

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

```
.border{ border-color:rgb(227, 247, 190) }
```

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

Here you see how a box with a 4 pixel rgb(227, 247, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 247, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 247, 190);  
box-shadow:4px 4px 4px 4px rgb(227, 247,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5701, 0.3339, 0.3894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 247, 190) }
```

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

```
.background{ background-color: rgb(227,  
247, 190) }
```

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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