

Converting Colors

$Yxy(86.2085, 0.3389, 0.3832)$

Have a look what the booklet for
Yxy(86.2085, 0.3389, 0.3832)
contains.

Yxy(86.1693, 0.3387, 0.3833)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(86.1693, 0.3387, 0.3833)

Conversions

Conversions Part 1

Format	Color
Hex	EBF4C0
RGB	235, 244, 192
RGB Percent	92%, 96%, 75%
CMY	0.0782, 0.0432, 0.2470
CMYK	0.04, 0.00, 0.21, 0.04
HSL	70°, 70%, 85%
HSV	70°, 21%, 96%
XYZ	76.1428, 86.1693, 62.4969
YIQ	235.3810, 11.3280, -18.0800

Conversions

Conversions Part 2

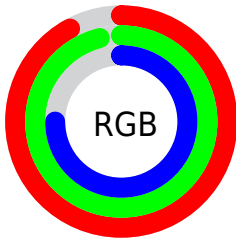
Format	Color
RYB	192, 244, 201
Decimal	15463616
CIELab	94.38, -11.42, 24.11
CIELCh	94, 26.676, 115.355
Yxy	86.1693, 0.3387, 0.3833
Android (android.graphics.Color)	4293653696 (0xFFEBF4C0)
YUV	235.3810, -21.3868, -0.3341
Hunter-Lab	92.8274, -16.0312, 25.0617

Details

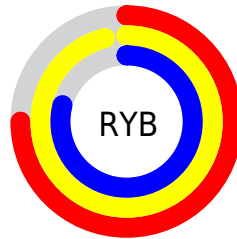
The Yxy color **86.1693, 0.3387, 0.3833** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.6468, 0.2831, 0.2707**, and the grayscale version is **83.5528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6196, 0.3162, 0.3347**, and **47.3851, 0.3442, 0.3963** is the 20% darker color. If you saturate the color by 10%, you get **84.4745, 0.3507, 0.4098**, and if you desaturate by 10%, it is **88.0678, 0.3264, 0.3572**.

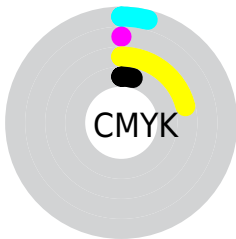
Distribution



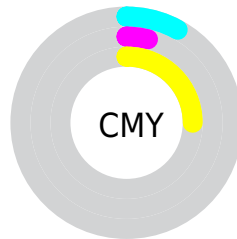
- Red (92%)
- Green (96%)
- Blue (75%)



- Red (75%)
- Yellow (96%)
- Blue (79%)



- Cyan (4%)
- Magenta (0%)
- Yellow (21%)
- Black (4%)





- Cyan (8%)
- Magenta (4%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.1693, 0.3387, 0.3833 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 86.1693, 0.3387, 0.3833 by changing the saturation by 10% instead.


 86.1693, 0.3387,
0.3833

 86.1693, 0.3387,
0.3833


515.4893, 0.3274,
0.3585

 64.8080, 0.3411,
0.3889


 142.0057, 0.3349,
0.3747

 47.3054, 0.3440,
0.3957


177.2496, 0.3334,
0.3714

 33.2771, 0.3475,
0.4043


217.8898, 0.3321,
0.3685

 22.3388, 0.3519,
0.4154

264.3107, 0.3309,
0.3660

 14.1061, 0.3573,
0.4301

316.8967, 0.3299,
0.3638

 8.1945, 0.3643,
0.4507

376.0322, 0.3289,

 4.2196, 0.3728,

0.3618

0.4809

442.1016, 0.3281,
0.3600

■ 1.7972, 0.4131,
0.5715

■ 0.4854, 0.2733,
0.7267

■ 86.1693, 0.3387,
0.3833

■ 86.1693, 0.3387,
0.3833

■ 84.4745, 0.3507,
0.4098

■ 88.0678, 0.3264,
0.3572

■ 82.9631, 0.3620,
0.4359


■ 90.1668, 0.3143,
0.3322


■ 81.6292, 0.3720,
0.4605


■ 91.8027, 0.3085,
0.3183


■ 80.4621, 0.3802,
0.4826


■ 92.5756, 0.3112,
0.3184

 79.4499, 0.3861,
0.5010

 93.1736, 0.3132,
0.3185

 78.5790, 0.3893,
0.5151

 77.8330, 0.3899,
0.5245

 77.2633, 0.3888,
0.5295

Harmonies

Analogous

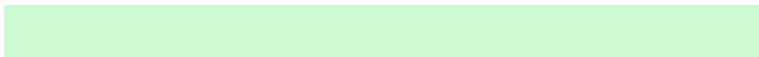
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1693, 0.3627, 0.3764



86.1693, 0.3387, 0.3833



86.1693, 0.3085, 0.3740

Triad

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



86.1693, 0.3387, 0.3833



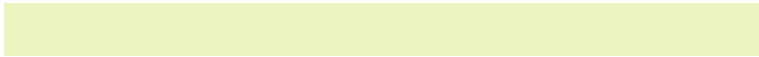
86.1693, 0.2557, 0.2965



86.1693, 0.3448, 0.3081

Complementary

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



86.1693, 0.3387, 0.3833



56.6468, 0.2831, 0.2707

Split Complementary

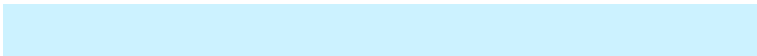
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.1693, 0.3146, 0.2891



86.1693, 0.3387, 0.3833



86.1693, 0.2641, 0.2817

Square

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



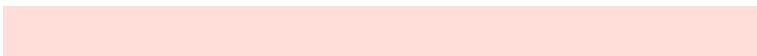
86.1693, 0.3387, 0.3833



86.1693, 0.2615, 0.3215



86.1693, 0.2853, 0.2795



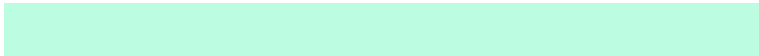
86.1693, 0.3666, 0.3326

Rectangle

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



86.1693, 0.3387, 0.3833



86.1693, 0.2891, 0.3596



86.1693, 0.2853, 0.2795



86.1693, 0.3352, 0.3010

Sweetspot

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



86.1731, 0.3387, 0.3833



98.5586, 0.3200, 0.3438



64.6609, 0.3539, 0.3384



21.0631, 0.3208, 0.3454



0.0000, 0.0000, 0.0000



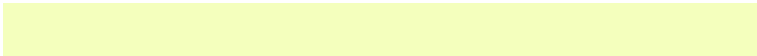
21.4041, 0.3127, 0.3290

Same Dimension

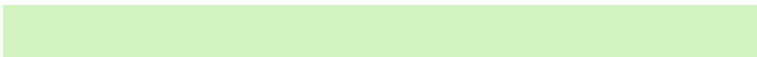
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1731, 0.3387, 0.3833



94.3456, 0.3445, 0.3959



82.1051, 0.3212, 0.3864



19.1612, 0.3242, 0.3526



42.0695, 0.3893, 0.5291



3.7346, 0.3933, 0.5259

Inverse Universe

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



56.6468, 0.2831, 0.2707



55.7772, 0.2753, 0.2558



60.5138, 0.3020, 0.2738



16.0634, 0.3006, 0.3047



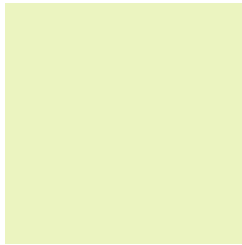
3.8580, 0.1576, 0.0642



0.3771, 0.1679, 0.0699

Previews

White Background



This preview shows how the Yxy color 86.1693, 0.3387, 0.3833 looks on a white background.

Color Contrast Check

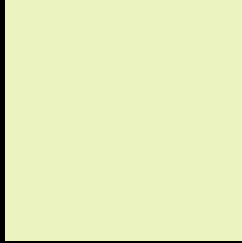
Large Text (above 18pt) WCAG AA × Fail

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 86.1693, 0.3387, 0.3833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

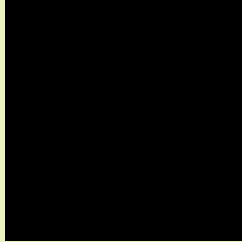
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

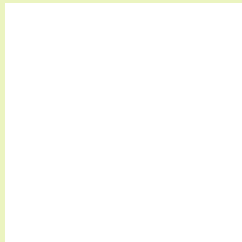
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.1693, 0.3387, 0.3833

Background



This preview shows how black text looks on a background with the Yxy color 86.1693, 0.3387, 0.3833.

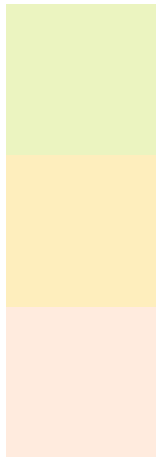


This preview shows how white text looks on a background with the Yxy color 86.1693, 0.3387, 0.3833.

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

86.1693, 0.3387, 0.3833

Protanopia

85.8940, 0.3552, 0.3784

Deuteranopia

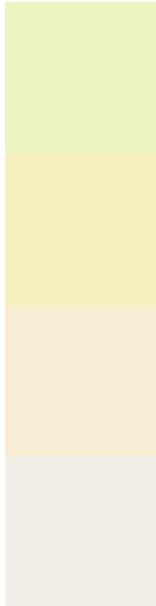
85.9506, 0.3347, 0.3420



Tritanopia

86.3798, 0.3070, 0.3113

Trichromacy



Original Color

86.1693, 0.3387, 0.3833

Protanomaly

85.8120, 0.3491, 0.3801

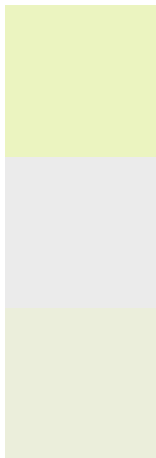
Deuteranomaly

85.8087, 0.3366, 0.3564

Tritanomaly

86.2033, 0.3190, 0.3371

Monochromacy



Original Color

86.1693, 0.3387, 0.3833

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.9257, 0.3225, 0.3487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1693, 0.3387, 0.3833 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(235, 244, 192)` looks like.

```
.text, #text, p{  
    color:rgb(235, 244, 192)  
}
```

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(235, 244, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 244, 192) }
```

Border

The CSS property to change the border of an element to Yxy 86.1693, 0.3387, 0.3833 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(235, 244, 192) }
```

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

```
.border{ border-color:rgb(235, 244, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 244, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 244, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 244, 192);  
box-shadow:4px 4px 4px 4px rgb(235, 244,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1693, 0.3387, 0.3833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 244, 192) }
```

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

```
.background{ background-color: rgb(235,  
244, 192) }
```

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