

Converting Colors

$Yxy(89.1919, 0.3398, 0.3870)$

Have a look what the booklet for
Yxy(89.1919, 0.3398, 0.3870)
contains.

Yxy(89.1177, 0.3400, 0.3868)	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(89.1177, 0.3400, 0.3868)

Conversions

Conversions Part 1

Format	Color
Hex	EEF8C0
RGB	238, 248, 192
RGB Percent	93%, 97%, 75%
CMY	0.0668, 0.0274, 0.2470
CMYK	0.04, 0.00, 0.23, 0.03
HSL	71°, 80%, 86%
HSV	71°, 23%, 97%
XYZ	78.3351, 89.1177, 62.9446
YIQ	238.6260, 12.0160, -19.5360

Conversions

Conversions Part 2

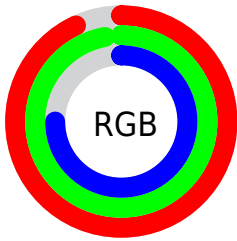
Format	Color
R_{YB}	192, 248, 202
Decimal	15661248
CIE Lab	95.63, -12.37, 25.86
CIE LCh	96, 28.665, 115.575
Yxy	89.1177, 0.3400, 0.3868
Android (android.graphics.Color)	4293851328 (0xFFEEF8C0)
YUV	238.6260, -22.9866, -0.5490
Hunter-Lab	94.4022, -17.0842, 26.5487

Details

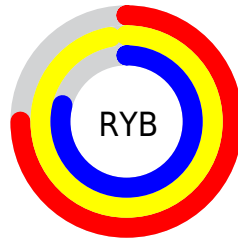
The Yxy color **89.1177, 0.3400, 0.3868** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **57.0436, 0.2813, 0.2667**, and the grayscale version is **86.1852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6196, 0.3162, 0.3347**, and **49.4793, 0.3458, 0.4005** is the 20% darker color. If you saturate the color by 10%, you get **87.3531, 0.3518, 0.4134**, and if you desaturate by 10%, it is **91.0944, 0.3278, 0.3605**.

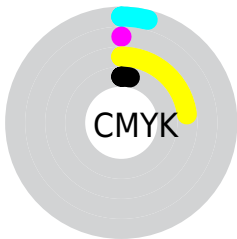
Distribution



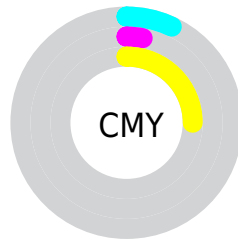
- Red (93%)
- Green (97%)
- Blue (75%)



- Red (75%)
- Yellow (97%)
- Blue (79%)



- Cyan (4%)
- Magenta (0%)
- Yellow (23%)
- Black (3%)





- Cyan (7%)
- Magenta (3%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.1177, 0.3400, 0.3868 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 89.1177, 0.3400, 0.3868 by changing the saturation by 10% instead.


 89.1177, 0.3400,
0.3868

 89.1177, 0.3400,
0.3868

525.1566, 0.3282,
0.3605

 67.2491, 0.3425,
0.3927


 146.1122, 0.3361,
0.3778

 49.2871, 0.3454,
0.3999

182.0070, 0.3345,
0.3742

 34.8473, 0.3490,
0.4088


223.3458, 0.3331,
0.3712

 23.5453, 0.3534,
0.4204

270.5133, 0.3319,
0.3685

 14.9966, 0.3589,
0.4356

323.8937, 0.3308,
0.3661

 8.8170, 0.3656,
0.4567

383.8714, 0.3299,

 4.6220, 0.3738,

0.3640

0.4873

450.8309, 0.3290,
0.3622

■ 2.0272, 0.4078,
0.5708

■ 0.6232, 0.3178,
0.6822

■ 89.1177, 0.3400,
0.3868

■ 89.1177, 0.3400,
0.3868

■ 87.3531, 0.3518,
0.4134

■ 91.0944, 0.3278,
0.3605

■ 85.7794, 0.3629,
0.4395

■ 93.2803, 0.3158,
0.3353

■ 84.3904, 0.3725,
0.4640

■ 94.9304, 0.3107,
0.3223

■ 83.1747, 0.3803,
0.4858

■ 95.6232, 0.3130,
0.3223

■ 82.1199, 0.3857,
0.5039

■ 81.2113, 0.3884,
0.5175

■ 80.4315, 0.3886,
0.5264

■ 79.9169, 0.3874,
0.5306

Harmonies

Analogous

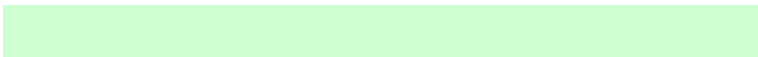
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1177, 0.3656, 0.3794



89.1177, 0.3400, 0.3868



89.1177, 0.3079, 0.3769

Triad

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



89.1177, 0.3400, 0.3868



89.1177, 0.2523, 0.2942



89.1177, 0.3470, 0.3070

Complementary

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



89.1177, 0.3400, 0.3868



57.0436, 0.2813, 0.2667

Split Complementary

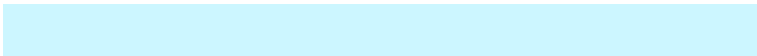
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.1177, 0.3149, 0.2869



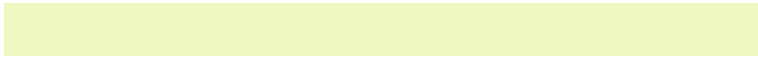
89.1177, 0.3400, 0.3868



89.1177, 0.2613, 0.2788

Square

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



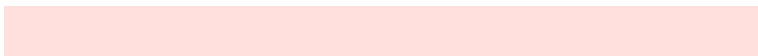
89.1177, 0.3400, 0.3868



89.1177, 0.2583, 0.3207



89.1177, 0.2837, 0.2766



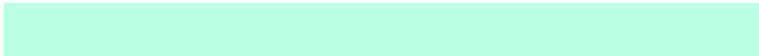
89.1177, 0.3702, 0.3329

Rectangle

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



89.1177, 0.3400, 0.3868



89.1177, 0.2874, 0.3614



89.1177, 0.2837, 0.2766



89.1177, 0.3368, 0.2995

Sweetspot

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



89.1216, 0.3400, 0.3868



98.3013, 0.3211, 0.3463



65.6976, 0.3571, 0.3390



21.0103, 0.3218, 0.3478



0.0000, 0.0000, 0.0000



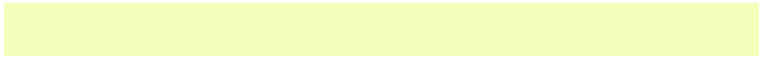
21.4041, 0.3127, 0.3290

Same Dimension

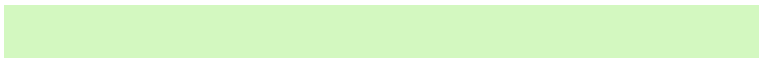
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.1216, 0.3400, 0.3868



94.0651, 0.3453, 0.3987



84.7503, 0.3217, 0.3903



20.0242, 0.3241, 0.3526



43.2219, 0.3879, 0.5302



4.0428, 0.3919, 0.5270

Inverse Universe

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



57.0436, 0.2813, 0.2667



54.4740, 0.2740, 0.2527



61.1952, 0.3013, 0.2702



16.7926, 0.3007, 0.3047



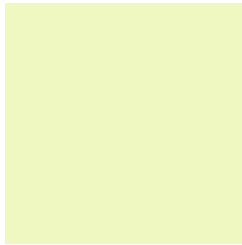
3.9983, 0.1581, 0.0645



0.4100, 0.1680, 0.0699

Previews

White Background



This preview shows how the Yxy color 89.1177, 0.3400, 0.3868 looks on a white background.

Color Contrast Check

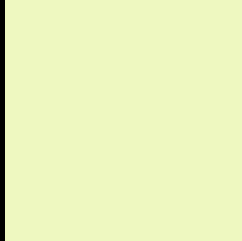
Large Text (above 18pt) WCAG AA × Fail

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 89.1177, 0.3400, 0.3868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

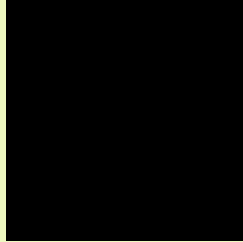
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

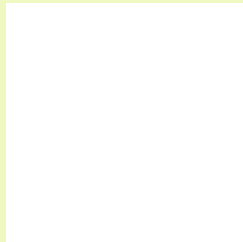
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.1177, 0.3400, 0.3868

Background



This preview shows how black text looks on a background with the Yxy color 89.1177, 0.3400, 0.3868.

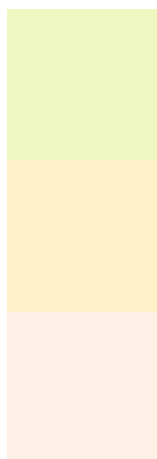


This preview shows how white text looks on a background with the Yxy color 89.1177, 0.3400, 0.3868.

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

89.1177, 0.3400, 0.3868

Protanopia

88.9813, 0.3473, 0.3699

Deuteranopia

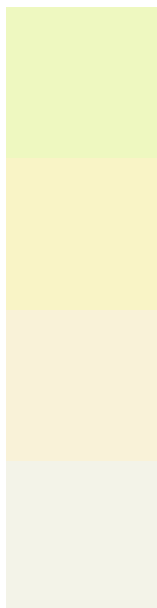
88.6501, 0.3297, 0.3389



Tritanopia

89.1330, 0.3076, 0.3143

Trichromacy



Original Color

89.1177, 0.3400, 0.3868

Protanomaly

88.9183, 0.3446, 0.3755

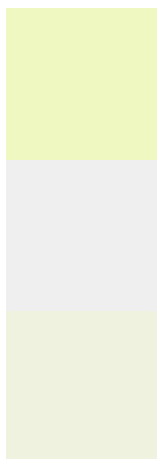
Deuteranomaly

88.6019, 0.3335, 0.3551

Tritanomaly

88.9821, 0.3194, 0.3400

Monochromacy



Original Color

89.1177, 0.3400, 0.3868

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

87.1289, 0.3230, 0.3494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.1177, 0.3400, 0.3868 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(238, 248, 192)` looks like.

```
.text, #text, p{  
    color:rgb(238, 248, 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(238, 248, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 248, 192) }
```

Border

The CSS property to change the border of an element to Yxy 89.1177, 0.3400, 0.3868 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(238, 248, 192) }
```

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

```
.border{ border-color:rgb(238, 248, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 248, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 248, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 248, 192);  
box-shadow:4px 4px 4px 4px rgb(238, 248,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 89.1177, 0.3400, 0.3868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 248, 192) }
```

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

```
.background{ background-color: rgb(238,  
248, 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