

Converting Colors

$Yxy(84.3421, 0.3339, 0.3883)$

Have a look what the booklet for
Yxy(84.3421, 0.3339, 0.3883)
contains.

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Color

Yxy(84.3830, 0.3336, 0.3878)

Conversions

Conversions Part 1

Format	Color
Hex	E1F4BD
RGB	225, 244, 189
RGB Percent	88%, 96%, 74%
CMY	0.1176, 0.0431, 0.2587
CMYK	0.08, 0.00, 0.23, 0.04
HSL	81°, 71%, 85%
HSV	81°, 23%, 96%
XYZ	72.5894, 84.3830, 60.6217
YIQ	232.0490, 6.3310, -21.1330

Conversions

Conversions Part 2

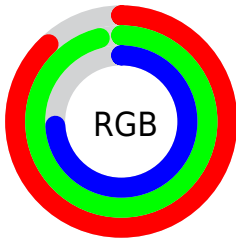
Format	Color
R _Y B	189, 244, 208
Decimal	14808253
CIE Lab	93.62, -15.45, 24.46
CIE LCh	94, 28.933, 122.280
Yxy	84.3830, 0.3336, 0.3878
Android (android.graphics.Color)	4292998333 (0xFFE1F4BD)
YUV	232.0490, -21.2232, -6.1820
Hunter-Lab	91.8602, -19.7019, 25.1746

Details

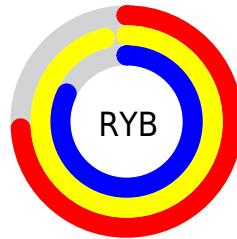
The Yxy color **84.3830, 0.3336, 0.3878** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.3550, 0.2881, 0.2681**, and the grayscale version is **80.8965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3726, 0.3185, 0.3386**, and **46.1507, 0.3377, 0.4025** is the 20% darker color. If you saturate the color by 10%, you get **82.0919, 0.3424, 0.4159**, and if you desaturate by 10%, it is **86.9267, 0.3243, 0.3607**.

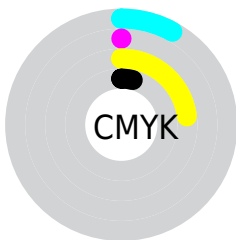
Distribution



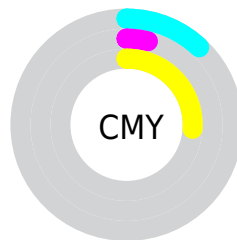
- Red (88%)
- Green (96%)
- Blue (74%)



- Red (74%)
- Yellow (96%)
- Blue (82%)



- Cyan (8%)
- Magenta (0%)
- Yellow (23%)
- Black (4%)




- Cyan (12%)
- Magenta (4%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.3830, 0.3336, 0.3878 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 84.3830, 0.3336, 0.3878 by changing the saturation by 10% instead.


 84.3830, 0.3336,
0.3878

 84.3830, 0.3336,
0.3878


509.5842, 0.3246,
0.3606

 63.3317, 0.3355,
0.3940


 139.5108, 0.3306,
0.3784

 46.1096, 0.3377,
0.4016


174.3561, 0.3294,
0.3747

 32.3323, 0.3404,
0.4112


214.5682, 0.3284,
0.3716

 21.6155, 0.3436,
0.4236

260.5315, 0.3275,
0.3688

 13.5746, 0.3475,
0.4404

312.6303, 0.3266,
0.3664

 7.8254, 0.3521,
0.4639

371.2491, 0.3259,

 3.9834, 0.3570,

0.3643

0.4992

436.7723, 0.3252,
0.3623

■ 1.6643, 0.3923,
0.6077

■ 0.4004, 0.0083,
0.9917

■ 84.3830, 0.3336,
0.3878

■ 84.3830, 0.3336,
0.3878

■ 82.0919, 0.3424,
0.4159

■ 86.9267, 0.3243,
0.3607

■ 80.0326, 0.3504,
0.4441

■ 89.7212, 0.3150,
0.3352

■ 78.1980, 0.3571,
0.4714

■ 92.3043, 0.3102,
0.3184

■ 76.5764, 0.3619,
0.4965

■ 93.1838, 0.3132,
0.3185

■ 75.1549, 0.3644,
0.5182

■ 73.9187, 0.3644,
0.5352

■ 72.8500, 0.3619,
0.5472

■ 72.1414, 0.3588,
0.5533

Harmonies

Analogous

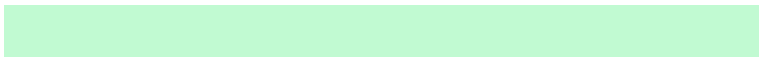
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3830, 0.3622, 0.3838



84.3830, 0.3336, 0.3878



84.3830, 0.3004, 0.3736

Triad

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



84.3830, 0.3336, 0.3878



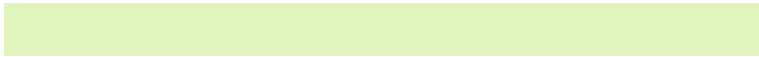
84.3830, 0.2515, 0.2885



84.3830, 0.3544, 0.3120

Complementary

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



84.3830, 0.3336, 0.3878



56.3550, 0.2881, 0.2681

Split Complementary

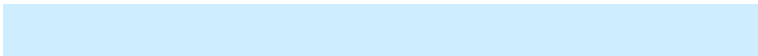
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.3830, 0.3226, 0.2897



84.3830, 0.3336, 0.3878



84.3830, 0.2640, 0.2758

Square

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



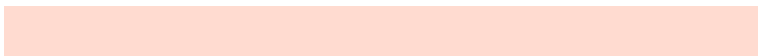
84.3830, 0.3336, 0.3878



84.3830, 0.2541, 0.3136



84.3830, 0.2895, 0.2766



84.3830, 0.3750, 0.3391

Rectangle

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



84.3830, 0.3336, 0.3878



84.3830, 0.2803, 0.3558



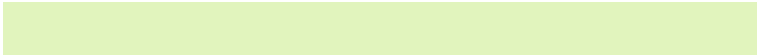
84.3830, 0.2895, 0.2766



84.3830, 0.3446, 0.3038

Sweetspot

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



84.3867, 0.3336, 0.3878



97.7516, 0.3192, 0.3464



67.7070, 0.3548, 0.3486



20.8828, 0.3198, 0.3480



0.0000, 0.0000, 0.0000



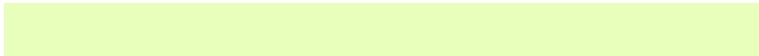
21.4041, 0.3127, 0.3290

Same Dimension

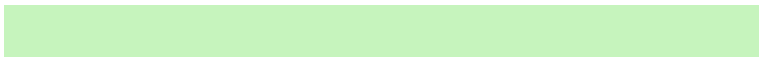
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3867, 0.3336, 0.3878



92.0935, 0.3377, 0.4005



80.4112, 0.3156, 0.3912



19.0101, 0.3215, 0.3528



39.3038, 0.3597, 0.5526



3.5113, 0.3673, 0.5466

Inverse Universe

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



56.3550, 0.2881, 0.2681



56.0956, 0.2822, 0.2545



60.5753, 0.3083, 0.2717



16.2052, 0.3033, 0.3049



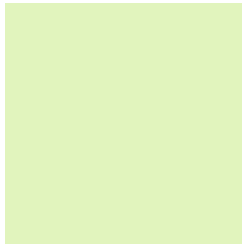
4.6534, 0.1762, 0.0744



0.4638, 0.1898, 0.0819

Previews

White Background



This preview shows how the Yxy color 84.3830, 0.3336, 0.3878 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 84.3830, 0.3336, 0.3878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

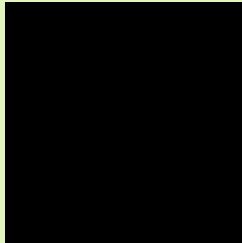
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

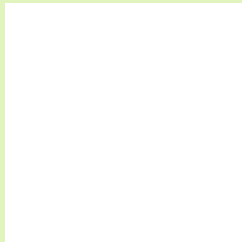
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.3830, 0.3336, 0.3878

Background



This preview shows how black text looks on a background with the Yxy color 84.3830, 0.3336, 0.3878.

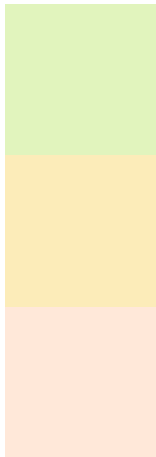


This preview shows how white text looks on a background with the Yxy color 84.3830, 0.3336, 0.3878.

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

84.3830, 0.3336, 0.3878

Protanopia

84.1891, 0.3569, 0.3808

Deuteranopia

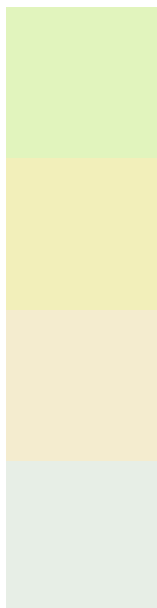
83.9830, 0.3385, 0.3440



Tritanopia

84.0648, 0.3005, 0.3099

Trichromacy



Original Color

84.3830, 0.3336, 0.3878

Protanomaly

84.1554, 0.3483, 0.3840

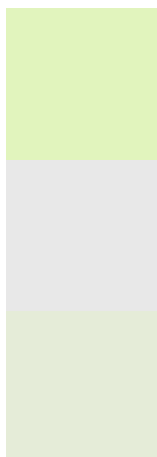
Deuteranomaly

83.7290, 0.3367, 0.3588

Tritanomaly

83.8512, 0.3130, 0.3373

Monochromacy



Original Color

84.3830, 0.3336, 0.3878

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.6068, 0.3205, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3830, 0.3336, 0.3878 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(225, 244, 189)` looks like.

```
.text, #text, p{  
    color:rgb(225, 244, 189)  
}
```

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(225, 244, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 244, 189) }
```

Border

The CSS property to change the border of an element to Yxy 84.3830, 0.3336, 0.3878 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(225, 244, 189) }
```

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

```
.border{ border-color:rgb(225, 244, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 244, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 244, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 244, 189);  
box-shadow:4px 4px 4px 4px rgb(225, 244,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3830, 0.3336, 0.3878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 244, 189) }
```

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

```
.background{ background-color: rgb(225,  
244, 189) }
```

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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