

Converting Colors

$Yxy(83.0845, 0.3360, 0.3893)$

Have a look what the booklet for
Yxy(83.0845, 0.3360, 0.3893)
contains.

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Color

Yxy(83.0570, 0.3358, 0.3891)

Conversions

Conversions Part 1

Format	Color
Hex	E1F2BA
RGB	225, 242, 186
RGB Percent	88%, 95%, 73%
CMY	0.1175, 0.0510, 0.2705
CMYK	0.07, 0.00, 0.23, 0.05
HSL	78°, 68%, 84%
HSV	78°, 23%, 95%
XYZ	71.6796, 83.0570, 58.7226
YIQ	230.5330, 7.8440, -21.0200

Conversions

Conversions Part 2

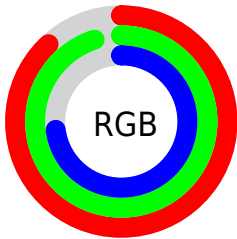
Format	Color
R _Y B	186, 242, 203
Decimal	14807738
CIE Lab	93.04, -14.88, 25.20
CIE LCh	93, 29.268, 120.560
Yxy	83.0570, 0.3358, 0.3891
Android (android.graphics.Color)	4292997818 (0xFFE1F2BA)
YUV	230.5330, -21.9548, -4.8524
Hunter-Lab	91.1356, -19.0942, 25.5918

Details

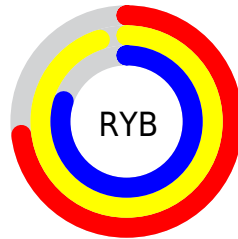
The Yxy color **83.0570, 0.3358, 0.3891** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **54.2325, 0.2856, 0.2661**, and the grayscale version is **79.7166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **45.2463, 0.3397, 0.4029** is the 20% darker color. If you saturate the color by 10%, you get **80.9641, 0.3454, 0.4168**, and if you desaturate by 10%, it is **85.3820, 0.3258, 0.3622**.

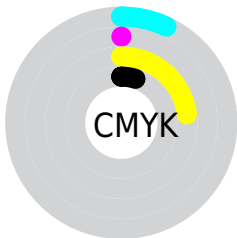
Distribution



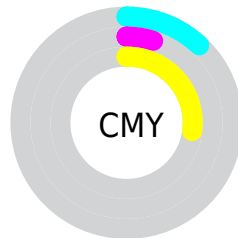
- Red (88%)
- Green (95%)
- Blue (73%)



- Red (73%)
- Yellow (95%)
- Blue (80%)



- Cyan (7%)
- Magenta (0%)
- Yellow (23%)
- Black (5%)





- Cyan (12%)
- Magenta (5%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0570, 0.3358, 0.3891 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 83.0570, 0.3358, 0.3891 by changing the saturation by 10% instead.


 83.0570, 0.3358,
0.3891

 83.0570, 0.3358,
0.3891


505.1765, 0.3258,
0.3613

 62.2372, 0.3379,
0.3954


 137.6553, 0.3325,
0.3795

 45.2244, 0.3404,
0.4032


172.2025, 0.3312,
0.3757

 31.6342, 0.3434,
0.4131


212.0944, 0.3300,
0.3725

 21.0822, 0.3470,
0.4259

257.7152, 0.3290,
0.3697

 13.1841, 0.3515,
0.4430

309.4495, 0.3280,
0.3672

 7.5555, 0.3568,
0.4673


367.6815, 0.3272,


 3.8118, 0.3624,

0.3650

0.5034

432.7957, 0.3265,
0.3630


 1.5689, 0.3940,
0.6060

 0.3365, 0.0000,
1.0000


 83.0570, 0.3358,
0.3891


 83.0570, 0.3358,
0.3891

 80.9641, 0.3454,
0.4168


 85.3820, 0.3258,
0.3622

 79.0830, 0.3541,
0.4445

 87.9370, 0.3158,
0.3366

 77.4072, 0.3614,
0.4709

 90.4981, 0.3082,
0.3163

 75.9254, 0.3668,
0.4950

 91.8566, 0.3129,
0.3165

■ 74.6253, 0.3699,
0.5155

■ 91.9790, 0.3133,
0.3165

■ 73.4926, 0.3704,
0.5315

■ 72.5099, 0.3684,
0.5424

■ 71.9039, 0.3660,
0.5476

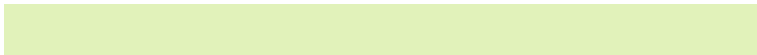
Harmonies

Analogous

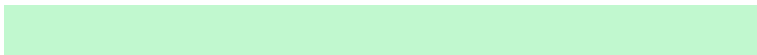
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0570, 0.3643, 0.3840



83.0570, 0.3358, 0.3891



83.0570, 0.3021, 0.3757

Triad

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



83.0570, 0.3358, 0.3891



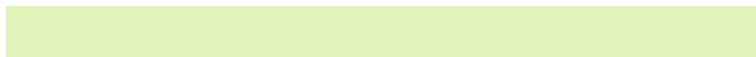
83.0570, 0.2502, 0.2890



83.0570, 0.3535, 0.3103

Complementary

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



83.0570, 0.3358, 0.3891



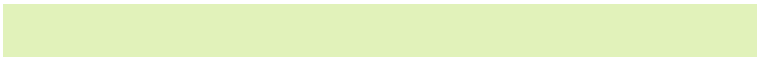
54.2325, 0.2856, 0.2661

Split Complementary

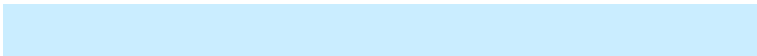
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0570, 0.3207, 0.2880



83.0570, 0.3358, 0.3891



83.0570, 0.2621, 0.2753

Square

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



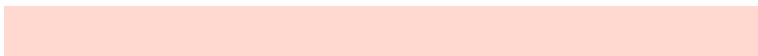
83.0570, 0.3358, 0.3891



83.0570, 0.2538, 0.3151



83.0570, 0.2874, 0.2754



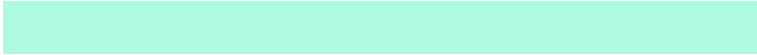
83.0570, 0.3753, 0.3376

Rectangle

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



83.0570, 0.3358, 0.3891



83.0570, 0.2813, 0.3580



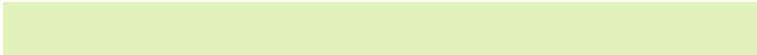
83.0570, 0.2874, 0.2754



83.0570, 0.3433, 0.3020

Sweetspot

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



83.0606, 0.3358, 0.3891



97.8926, 0.3197, 0.3464



65.0476, 0.3565, 0.3472



20.9155, 0.3203, 0.3479



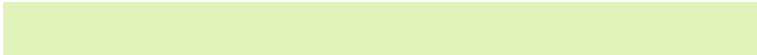
0.0000, 0.0000, 0.0000



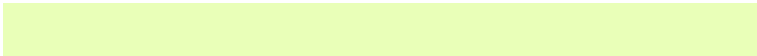
21.4041, 0.3127, 0.3290

Same Dimension

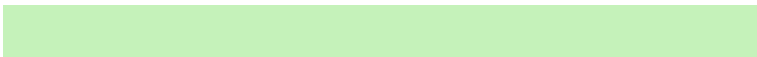
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0606, 0.3358, 0.3891



92.3522, 0.3406, 0.4028



78.9455, 0.3169, 0.3928



18.2049, 0.3221, 0.3527



38.7053, 0.3668, 0.5469



3.2716, 0.3739, 0.5413

Inverse Universe

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



54.2325, 0.2856, 0.2661



54.3450, 0.2786, 0.2509



58.4954, 0.3067, 0.2699



15.4607, 0.3027, 0.3049



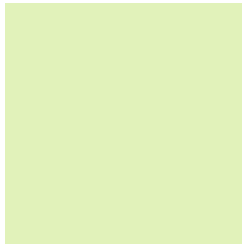
4.2728, 0.1706, 0.0713



0.4055, 0.1844, 0.0790

Previews

White Background



This preview shows how the Yxy color 83.0570, 0.3358, 0.3891 looks on a white background.

Color Contrast Check

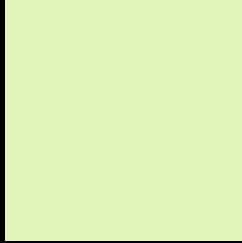
Large Text (above 18pt) WCAG AA × Fail

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 83.0570, 0.3358, 0.3891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

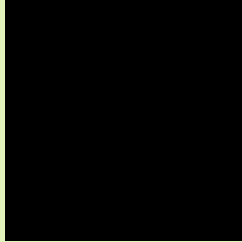
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

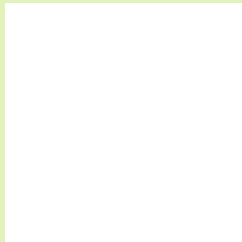
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.0570, 0.3358, 0.3891

Background



This preview shows how black text looks on a background with the Yxy color 83.0570, 0.3358, 0.3891.

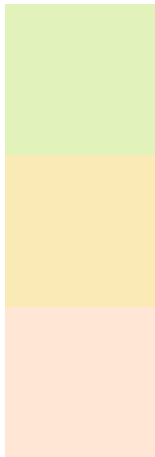


This preview shows how white text looks on a background with the Yxy color 83.0570, 0.3358, 0.3891.

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

83.0570, 0.3358, 0.3891

Protanopia

82.5470, 0.3579, 0.3822

Deuteranopia

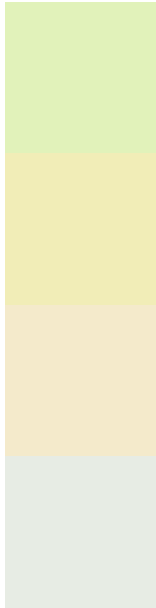
82.6577, 0.3415, 0.3461



Tritanopia

82.7985, 0.3017, 0.3098

Trichromacy



Original Color

83.0570, 0.3358, 0.3891

Protanomaly

82.6880, 0.3500, 0.3853

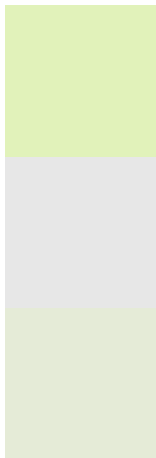
Deuteranomaly

82.3905, 0.3396, 0.3610

Tritanomaly

82.5813, 0.3143, 0.3373

Monochromacy



Original Color

83.0570, 0.3358, 0.3891

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.9810, 0.3212, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0570, 0.3358, 0.3891 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, 242, 186)` looks like.

```
.text, #text, p{  
    color:rgb(225, 242, 186)  
}
```

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, 242, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 242, 186) }
```

Border

The CSS property to change the border of an element to Yxy 83.0570, 0.3358, 0.3891 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, 242, 186) }
```

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

```
.border{ border-color:rgb(225, 242, 186) }
```

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

Here you see how a box with a 4 pixel rgb(225, 242, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 242, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 242, 186);  
box-shadow:4px 4px 4px 4px rgb(225, 242,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0570, 0.3358, 0.3891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 242, 186) }
```

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

```
.background{ background-color: rgb(225,  
242, 186) }
```

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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