

Converting Colors

$Y_{xy}(83.1956, 0.3379, 0.3719)$

Have a look what the booklet for
Yxy(83.1956, 0.3379, 0.3719)
contains.

Yxy(83.1848, 0.3379, 0.3719)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.1848, 0.3379, 0.3719)

Conversions

Conversions Part 1

Format	Color
Hex	EDEEC5
RGB	237, 238, 197
RGB Percent	93%, 93%, 77%
CMY	0.0706, 0.0667, 0.2273
CMYK	0.00, 0.00, 0.17, 0.07
HSL	61°, 55%, 85%
HSV	61°, 17%, 93%
XYZ	75.5798, 83.1848, 64.9105
YIQ	233.0270, 12.5650, -12.9630

Conversions

Conversions Part 2

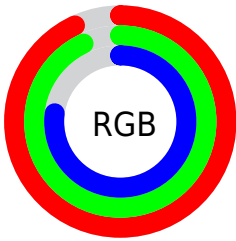
Format	Color
RYB	197, 238, 198
Decimal	15593157
CIELab	93.10, -7.01, 19.77
CIELCh	93, 20.977, 109.530
Yxy	83.1848, 0.3379, 0.3719
Android (android.graphics.Color)	4293783237 (0xFFEDEC5)
YUV	233.0270, -17.7613, 3.4843
Hunter-Lab	91.2057, -11.6916, 21.6477

Details

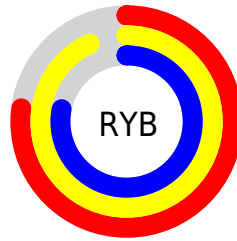
The Yxy color **83.1848, 0.3379, 0.3719** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **58.1273, 0.2852, 0.2824**, and the grayscale version is **81.6395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **45.2628, 0.3436, 0.3817** is the 20% darker color. If you saturate the color by 10%, you get **82.0818, 0.3527, 0.3973**, and if you desaturate by 10%, it is **84.4677, 0.3231, 0.3467**.

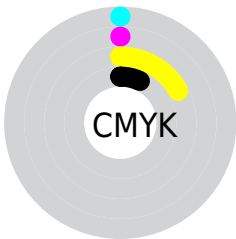
Distribution



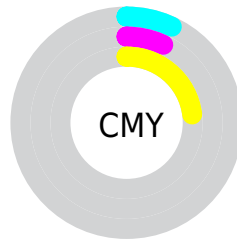
- Red (93%)
- Green (93%)
- Blue (77%)



- Red (77%)
- Yellow (93%)
- Blue (78%)



- Cyan (0%)
- Magenta (0%)
- Yellow (17%)
- Black (7%)



- Cyan (7%)
- Magenta (7%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1848, 0.3379, 0.3719 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 83.1848, 0.3379, 0.3719 by changing the saturation by 10% instead.

83.1848, 0.3379,
0.3719

83.1848, 0.3379,
0.3719

505.6022, 0.3267,
0.3523

62.3426, 0.3404,
0.3763

137.8343, 0.3341,
0.3651

45.3096, 0.3433,
0.3817

172.4103, 0.3326,
0.3625

31.7014, 0.3470,
0.3886

212.3331, 0.3313,
0.3602

21.1335, 0.3516,
0.3974

257.9871, 0.3301,
0.3582

13.2216, 0.3576,
0.4091

309.7566, 0.3291,
0.3565

7.5813, 0.3657,
0.4257

368.0260, 0.3282,

3.8282, 0.3767,

0.3549

0.4503

433.1797, 0.3274,
0.3535

■ 1.5780, 0.4156,
0.5197

■ 0.3427, 0.3108,
0.6892

■ 83.1848, 0.3379,
0.3719

■ 83.1848, 0.3379,
0.3719

■ 82.0818, 0.3527,
0.3973

■ 84.4677, 0.3231,
0.3467

■ 81.1397, 0.3671,
0.4220


■ 85.9271, 0.3088,
0.3223


■ 80.3533, 0.3804,
0.4451


■ 86.6784, 0.3030,
0.3121

■ 79.7133, 0.3920,
0.4656

■ 86.7799, 0.3033,
0.3121

 79.2090, 0.4015,
0.4825

 86.8816, 0.3037,
0.3121


 78.8286, 0.4085,
0.4953

 86.9837, 0.3041,
0.3122


 78.5579, 0.4128,
0.5036

 87.0862, 0.3045,
0.3122

 78.3786, 0.4147,
0.5079

 87.1889, 0.3048,
0.3122

 78.3369, 0.4150,
0.5087

 87.2920, 0.3052,
0.3122

Harmonies

Analogous

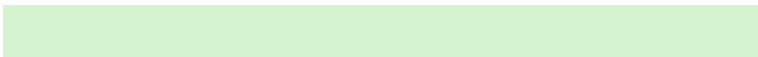
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1848, 0.3551, 0.3647



83.1848, 0.3379, 0.3719



83.1848, 0.3144, 0.3668

Triad

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



83.1848, 0.3379, 0.3719



83.1848, 0.2669, 0.3067



83.1848, 0.3339, 0.3089

Complementary

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



83.1848, 0.3379, 0.3719



58.1273, 0.2852, 0.2824

Split Complementary

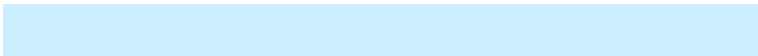
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.1848, 0.3096, 0.2947



83.1848, 0.3379, 0.3719



83.1848, 0.2716, 0.2928

Square

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



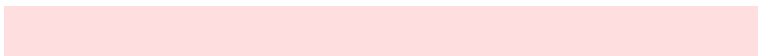
83.1848, 0.3379, 0.3719



83.1848, 0.2739, 0.3278



83.1848, 0.2869, 0.2888



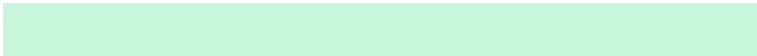
83.1848, 0.3530, 0.3282

Rectangle

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



83.1848, 0.3379, 0.3719



83.1848, 0.2984, 0.3568



83.1848, 0.2869, 0.2888



83.1848, 0.3261, 0.3034

Sweetspot

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



83.1885, 0.3379, 0.3719



99.1467, 0.3199, 0.3413



62.4655, 0.3457, 0.3298



21.1967, 0.3209, 0.3430



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.



83.1885, 0.3379, 0.3719



96.7705, 0.3436, 0.3817



79.9098, 0.3239, 0.3739



18.4382, 0.3264, 0.3524



43.7113, 0.4151, 0.5086



3.6426, 0.4157, 0.5082

Inverse Universe

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



58.1273, 0.2852, 0.2824



61.8664, 0.2782, 0.2706



61.0536, 0.2998, 0.2843



15.2472, 0.2983, 0.3046



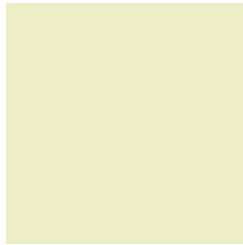
3.4729, 0.1508, 0.0604



0.2954, 0.1528, 0.0615

Previews

White Background



This preview shows how the Yxy color 83.1848, 0.3379, 0.3719 looks on a white background.

Color Contrast Check

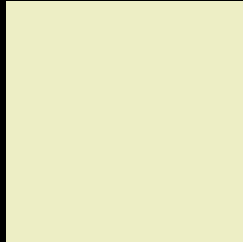
Large Text (above 18pt) WCAG AA × Fail

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 83.1848, 0.3379, 0.3719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

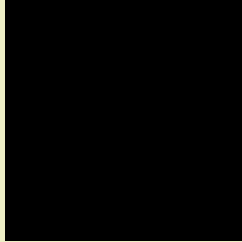
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

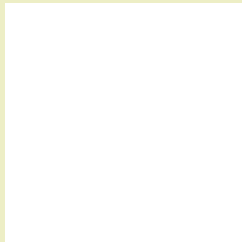
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.1848, 0.3379, 0.3719

Background



This preview shows how black text looks on a background with the Yxy color 83.1848, 0.3379, 0.3719.



This preview shows how white text looks on a background with the Yxy color 83.1848, 0.3379, 0.3719.

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

83.1848, 0.3379, 0.3719

Protanopia

83.3133, 0.3476, 0.3700

Deuteranopia

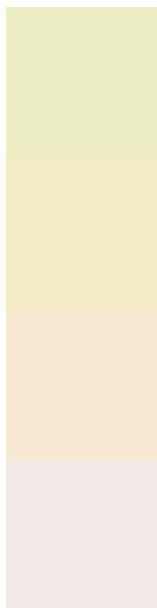
82.8634, 0.3388, 0.3421



Tritanopia

83.2245, 0.3102, 0.3111

Trichromacy



Original Color

83.1848, 0.3379, 0.3719

Protanomaly

83.2095, 0.3439, 0.3703

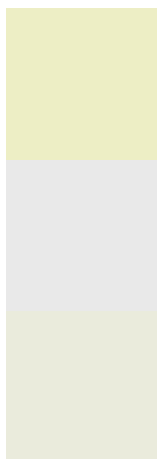
Deuteranomaly

82.8874, 0.3380, 0.3525

Tritanomaly

83.2596, 0.3200, 0.3331

Monochromacy



Original Color

83.1848, 0.3379, 0.3719

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.0764, 0.3215, 0.3446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1848, 0.3379, 0.3719 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(237, 238, 197)` looks like.

```
.text, #text, p{  
    color:rgb(237, 238, 197)  
}
```

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(237, 238, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 238, 197) }
```

Border

The CSS property to change the border of an element to Yxy 83.1848, 0.3379, 0.3719 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(237, 238, 197) }
```

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

```
.border{ border-color:rgb(237, 238, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 238, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 238, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 238, 197); box-shadow:4px 4px 4px 4px rgb(237, 238, 197) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1848, 0.3379, 0.3719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 238, 197) }
```

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

```
.background{ background-color: rgb(237,  
238, 197) }
```

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