

Converting Colors

$Yxy(82.9859, 0.3583, 0.4033)$

Have a look what the booklet for
Yxy(82.9859, 0.3583, 0.4033)
contains.

Yxy(83.0854, 0.3583, 0.4030)	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(83.0854, 0.3583, 0.4030)

Conversions

Conversions Part 1

Format	Color
Hex	F0EFA8
RGB	240, 239, 168
RGB Percent	94%, 94%, 66%
CMY	0.0589, 0.0627, 0.3410
CMYK	0.00, 0.00, 0.30, 0.06
HSL	59°, 71%, 80%
HSV	59°, 30%, 94%
XYZ	73.8697, 83.0854, 49.2121
YIQ	231.2050, 23.3870, -21.8690

Conversions

Conversions Part 2

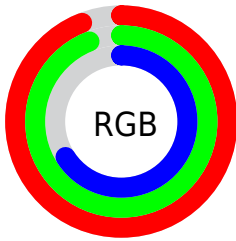
Format	Color
R_{YB}	169, 240, 168
Decimal	15789992
CIE _{Lab}	93.05, -10.35, 34.53
CIE _{LCh}	93, 36.051, 106.677
Yxy	83.0854, 0.3583, 0.4030
Android (android.graphics.Color)	4293980072 (0xFFFF0EFA8)
YUV	231.2050, -31.1601, 7.7132
Hunter-Lab	91.1512, -14.8566, 31.7954

Details

The Yxy color **83.0854, 0.3583, 0.4030** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **43.0073, 0.2598, 0.2424**, and the grayscale version is **80.2988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **45.1721, 0.3677, 0.4199** is the 20% darker color. If you saturate the color by 10%, you get **82.0840, 0.3731, 0.4269**, and if you desaturate by 10%, it is **84.2597, 0.3430, 0.3782**.

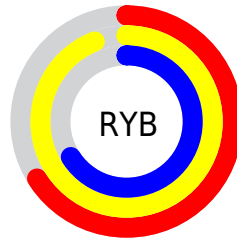
Distribution



Red (94%)

Green (94%)

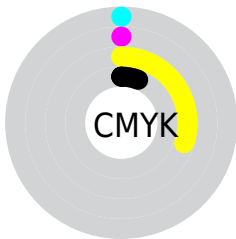
Blue (66%)



Red (66%)

Yellow (94%)

Blue (66%)

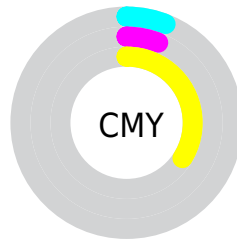


Cyan (0%)

Magenta (0%)

Yellow (30%)

Black (6%)



Cyan (6%)


Magenta (6%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.0854, 0.3583, 0.4030 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 83.0854, 0.3583, 0.4030 by changing the saturation by 10% instead.


 83.0854, 0.3583,
0.4030

 83.0854, 0.3583,
0.4030


505.2711, 0.3384,
0.3692

 62.2606, 0.3625,
0.4105


 137.6951, 0.3516,
0.3914

 45.2433, 0.3675,
0.4197


172.2487, 0.3490,
0.3869

 31.6491, 0.3735,
0.4311


212.1475, 0.3467,
0.3829

 21.0936, 0.3809,
0.4456

257.7757, 0.3446,
0.3795

 13.1925, 0.3897,
0.4644

309.5177, 0.3428,
0.3764

 7.5612, 0.4002,
0.4894

367.7581, 0.3412,

 3.8155, 0.4177,

0.3738

0.5316

432.8811, 0.3397,
0.3714

■ 1.5709, 0.4232,
0.5768

■ 0.3379, 0.1687,
0.8313

■ 83.0854, 0.3583,
0.4030

■ 83.0854, 0.3583,
0.4030

■ 82.0840, 0.3731,
0.4269

■ 84.2597, 0.3430,
0.3782

■ 81.2352, 0.3867,
0.4488


■ 85.6041, 0.3276,
0.3533

■ 80.5328, 0.3986,
0.4678


■ 87.1301, 0.3127,
0.3289

■ 79.9657, 0.4082,
0.4830


■ 88.2488, 0.3037,
0.3145


 79.5210, 0.4152,
0.4939


 88.4418, 0.3037,
0.3148


 79.1838, 0.4196,
0.5004


 88.6352, 0.3037,
0.3151

 78.9285, 0.4217,
0.5033

 88.8289, 0.3037,
0.3154

 78.9279, 0.4217,
0.5033

 89.0230, 0.3037,
0.3158

 89.2174, 0.3037,
0.3161

Harmonies

Analogous

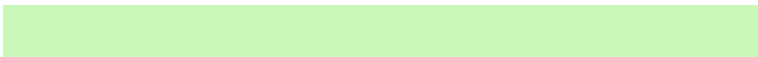
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0854, 0.3871, 0.3864



83.0854, 0.3583, 0.4030



83.0854, 0.3183, 0.3979

Triad

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



83.0854, 0.3583, 0.4030



83.0854, 0.2364, 0.2925



83.0854, 0.3450, 0.2925

Complementary

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



83.0854, 0.3583, 0.4030



43.0073, 0.2598, 0.2424

Split Complementary

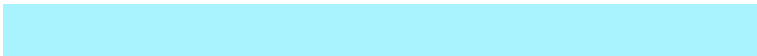
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0854, 0.3026, 0.2705



83.0854, 0.3583, 0.4030



83.0854, 0.2422, 0.2688

Square

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



83.0854, 0.3583, 0.4030



83.0854, 0.2491, 0.3295



83.0854, 0.2656, 0.2618



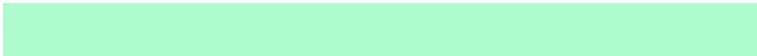
83.0854, 0.3799, 0.3232

Rectangle

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



83.0854, 0.3583, 0.4030



83.0854, 0.2911, 0.3813



83.0854, 0.2656, 0.2618



83.0854, 0.3310, 0.2839

Sweetspot

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



83.0891, 0.3583, 0.4030



98.4097, 0.3262, 0.3509



49.4201, 0.3790, 0.3279



21.0122, 0.3284, 0.3545



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

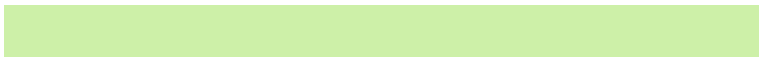
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0891, 0.3583, 0.4030



94.6361, 0.3675, 0.4178



78.1516, 0.3333, 0.4104



18.4199, 0.3269, 0.3520



43.2288, 0.4217, 0.5034



3.6080, 0.4214, 0.5036

Inverse Universe

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



43.0073, 0.2598, 0.2424



41.7402, 0.2470, 0.2214



46.9848, 0.2860, 0.2474



15.2632, 0.2979, 0.3049



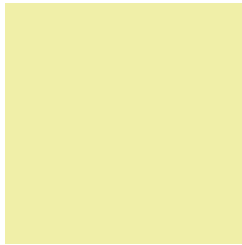
3.4982, 0.1503, 0.0609



0.3031, 0.1509, 0.0631

Previews

White Background



This preview shows how the Yxy color 83.0854, 0.3583, 0.4030 looks on a white background.

Color Contrast Check

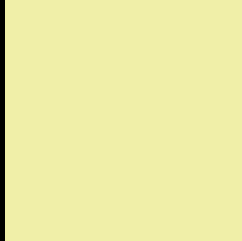
Large Text (above 18pt) WCAG AA × Fail

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 83.0854, 0.3583, 0.4030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

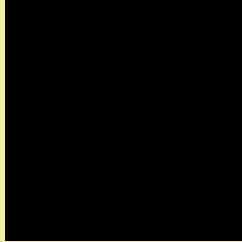
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.0854, 0.3583, 0.4030

Background



This preview shows how black text looks on a background with the Yxy color 83.0854, 0.3583, 0.4030.

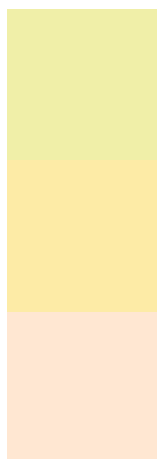


This preview shows how white text looks on a background with the Yxy color 83.0854, 0.3583, 0.4030.

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

83.0854, 0.3583, 0.4030

Protanopia

83.0525, 0.3703, 0.3989

Deuteranopia

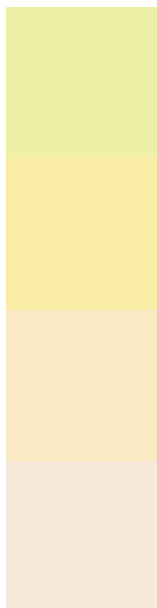
83.0650, 0.3433, 0.3501



Tritanopia

83.0780, 0.3156, 0.3113

Trichromacy



Original Color

83.0854, 0.3583, 0.4030

Protanomaly

82.7374, 0.3657, 0.3998

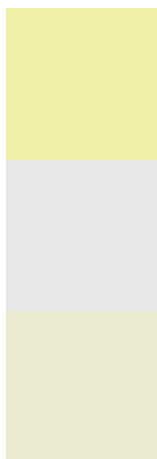
Deuteranomaly

83.1098, 0.3493, 0.3688

Tritanomaly

82.9326, 0.3313, 0.3443

Monochromacy



Original Color

83.0854, 0.3583, 0.4030

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.8921, 0.3293, 0.3564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0854, 0.3583, 0.4030 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(240, 239, 168)` looks like.

```
.text, #text, p{  
    color:rgb(240, 239, 168)  
}
```

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(240, 239, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 239, 168) }
```

Border

The CSS property to change the border of an element to Yxy 83.0854, 0.3583, 0.4030 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(240, 239, 168) }
```

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

```
.border{ border-color:rgb(240, 239, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 239, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 239, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 239, 168);  
box-shadow:4px 4px 4px 4px rgb(240, 239,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0854, 0.3583, 0.4030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 239, 168) }
```

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

```
.background{ background-color: rgb(240,  
239, 168) }
```

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