

Converting Colors

$Y_{xy}(83.9100, 0.3371, 0.3542)$

Have a look what the booklet for
Yxy(83.9100, 0.3371, 0.3542)
contains.

Yxy(83.8440, 0.3370, 0.3545)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.8440, 0.3370, 0.3545)

Conversions

Conversions Part 1

Format	Color
Hex	F7EBD2
RGB	247, 235, 210
RGB Percent	97%, 92%, 82%
CMY	0.0313, 0.0784, 0.1764
CMYK	0.00, 0.05, 0.15, 0.03
HSL	41°, 70%, 90%
HSV	41°, 15%, 97%
XYZ	79.7050, 83.8440, 72.9644
YIQ	235.7380, 15.1770, -5.2310

Conversions

Conversions Part 2

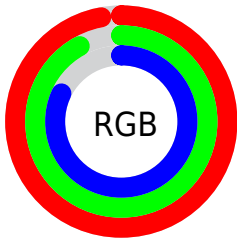
Format	Color
R _Y B	228, 247, 210
Decimal	16247762
CIE Lab	93.38, 0.03, 13.57
CIE LCh	93, 13.574, 89.885
Yxy	83.8440, 0.3370, 0.3545
Android (android.graphics.Color)	4294437842 (0xFFF7EBD2)
YUV	235.7380, -12.6888, 9.8768
Hunter-Lab	91.5664, -4.8637, 16.8514

Details

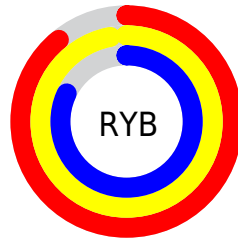
The Yxy color **83.8440, 0.3370, 0.3545** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **72.6816, 0.2889, 0.3021**, and the grayscale version is **83.7647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5876, 0.3416, 0.3592** is the 20% darker color. If you saturate the color by 10%, you get **78.2184, 0.3552, 0.3723**, and if you desaturate by 10%, it is **89.8743, 0.3204, 0.3373**.

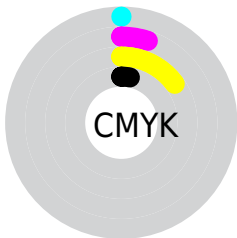
Distribution



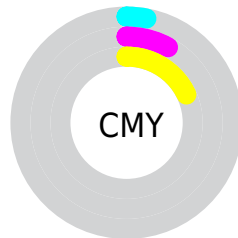
- Red (97%)
- Green (92%)
- Blue (82%)



- Red (89%)
- Yellow (97%)
- Blue (82%)



- Cyan (0%)
- Magenta (5%)
- Yellow (15%)
- Black (3%)




- Cyan (3%)
- Magenta (8%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8440, 0.3370, 0.3545 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 83.8440, 0.3370, 0.3545 by changing the saturation by 10% instead.

 83.8440, 0.3370,
0.3545

 83.8440, 0.3370,
0.3545


507.7951, 0.3260,
0.3430

 62.8866, 0.3394,
0.3571


138.7569, 0.3333,
0.3506

 45.7495, 0.3424,
0.3602


173.4813, 0.3318,
0.3490

 32.0482, 0.3461,
0.3641


213.5635, 0.3305,
0.3477

 21.3983, 0.3509,
0.3691

259.3878, 0.3294,
0.3465

 13.4155, 0.3572,
0.3757

311.3388, 0.3284,
0.3455

 7.7153, 0.3661,
0.3850

369.8007, 0.3275,

 3.9133, 0.3791,

0.3446

435.1580, 0.3267,
0.3437

0.3986

■ 1.6252, 0.4030,
0.4238

■ 0.3745, 0.4878,
0.5122

■ 83.8440, 0.3370,
0.3545

■ 83.8440, 0.3370,
0.3545

■ 78.2184, 0.3552,
0.3723

■ 89.8743, 0.3204,
0.3373

■ 72.9750, 0.3748,
0.3903

■ 96.0211, 0.3079,
0.3252

■ 68.1054, 0.3954,
0.4076

■ 98.5175, 0.3078,
0.3290

■ 63.5966, 0.4165,
0.4233

■ 59.4345, 0.4371,
0.4363

■ 55.6033, 0.4564,
0.4454

■ 52.0852, 0.4731,
0.4498

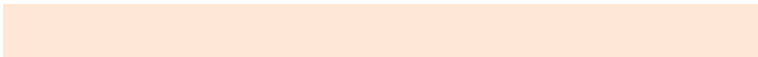
■ 48.8591, 0.4867,
0.4490

■ 47.3351, 0.4925,
0.4471

Harmonies

Analogous

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



83.8440, 0.3433, 0.3460



83.8440, 0.3370, 0.3545



83.8440, 0.3242, 0.3562

Triad

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



83.8440, 0.3370, 0.3545



83.8440, 0.2850, 0.3235



83.8440, 0.3164, 0.3092

Complementary

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



83.8440, 0.3370, 0.3545



72.6816, 0.2889, 0.3021

Split Complementary

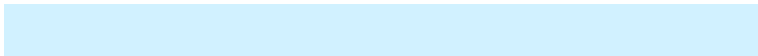
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.8440, 0.3008, 0.3032



83.8440, 0.3370, 0.3545



83.8440, 0.2830, 0.3110

Square

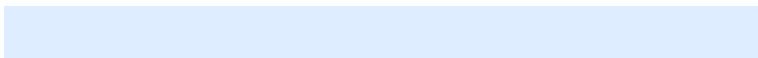
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.8440, 0.3370, 0.3545



83.8440, 0.2943, 0.3379



83.8440, 0.2887, 0.3038



83.8440, 0.3313, 0.3201

Rectangle

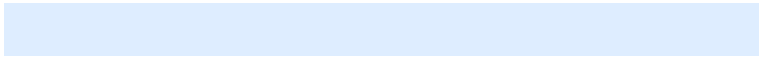
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.8440, 0.3370, 0.3545



83.8440, 0.3138, 0.3529



83.8440, 0.2887, 0.3038



83.8440, 0.3110, 0.3066

Sweetspot

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



83.8477, 0.3370, 0.3545



97.2646, 0.3189, 0.3356



71.1712, 0.3318, 0.3164



20.7102, 0.3200, 0.3369



0.0000, 0.0000, 0.0000



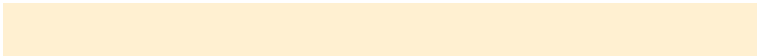
21.4041, 0.3127, 0.3290

Same Dimension

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



83.8477, 0.3370, 0.3545



88.2420, 0.3424, 0.3599



89.8615, 0.3311, 0.3667



18.3531, 0.3277, 0.3449



25.2991, 0.4910, 0.4483



2.4099, 0.4798, 0.4573

Inverse Universe

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



72.6816, 0.2889, 0.3021



74.1062, 0.2838, 0.2961



67.4442, 0.2927, 0.2893



16.8056, 0.2980, 0.3126



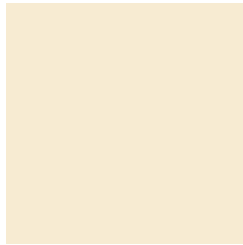
6.8323, 0.1627, 0.1057



0.7796, 0.1696, 0.1303

Previews

White Background



This preview shows how the Yxy color 83.8440, 0.3370, 0.3545 looks on a white background.

Color Contrast Check

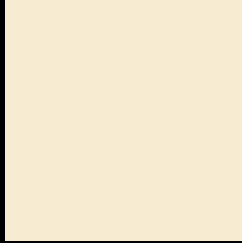
Large Text (above 18pt) WCAG AA × Fail

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 83.8440, 0.3370, 0.3545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

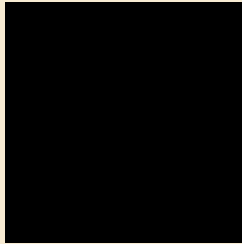
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

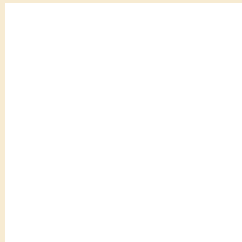
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.8440, 0.3370, 0.3545

Background



This preview shows how black text looks on a background with the Yxy color 83.8440, 0.3370, 0.3545.

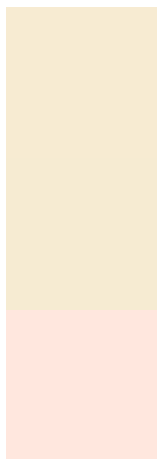


This preview shows how white text looks on a background with the Yxy color 83.8440, 0.3370, 0.3545.

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

83.8440, 0.3370, 0.3545

Protanopia

83.6626, 0.3363, 0.3546

Deuteranopia

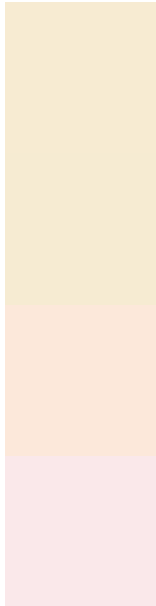
83.6858, 0.3353, 0.3380



Tritanopia

84.0664, 0.3163, 0.3114

Trichromacy



Original Color

83.8440, 0.3370, 0.3545

Protanomaly

83.6626, 0.3363, 0.3546

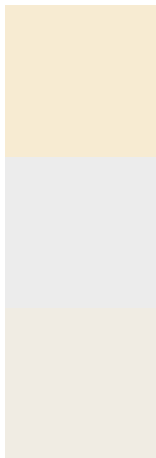
Deuteranomaly

83.4706, 0.3357, 0.3431

Tritanomaly

83.9777, 0.3237, 0.3270

Monochromacy



Original Color

83.8440, 0.3370, 0.3545

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.0622, 0.3210, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8440, 0.3370, 0.3545 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(247, 235, 210)` looks like.

```
.text, #text, p{  
    color:rgb(247, 235, 210)  
}
```

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(247, 235, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 235, 210) }
```

Border

The CSS property to change the border of an element to Yxy 83.8440, 0.3370, 0.3545 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(247, 235, 210) }
```

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

```
.border{ border-color:rgb(247, 235, 210) }
```

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

Here you see how a box with a 4 pixel rgb(247, 235, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 235, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 235, 210);  
box-shadow:4px 4px 4px 4px rgb(247, 235,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8440, 0.3370, 0.3545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 235, 210) }
```

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

```
.background{ background-color: rgb(247,  
235, 210) }
```

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