

Converting Colors

$Y_{xy}(83.2939, 0.3433, 0.3552)$

Have a look what the booklet for
Yxy(83.2939, 0.3433, 0.3552)
contains.

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Color

Yxy(83.4783, 0.3429, 0.3553)

Conversions

Conversions Part 1

Format	Color
Hex	FCE9CF
RGB	252, 233, 207
RGB Percent	99%, 91%, 81%
CMY	0.0115, 0.0863, 0.1882
CMYK	0.00, 0.08, 0.18, 0.01
HSL	35°, 88%, 90%
HSV	35°, 18%, 99%
XYZ	80.5649, 83.4783, 70.9084
YIQ	235.7170, 19.6700, -4.0580

Conversions

Conversions Part 2

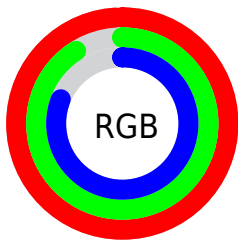
Format	Color
R _Y B	240, 252, 207
Decimal	16574927
CIE Lab	93.22, 2.40, 14.96
CIE LCh	93, 15.151, 80.873
Yxy	83.4783, 0.3429, 0.3553
Android (android.graphics.Color)	4294765007 (0xFFFFCE9CF)
YUV	235.7170, -14.1575, 14.2802
Hunter-Lab	91.3665, -2.4940, 17.9423

Details

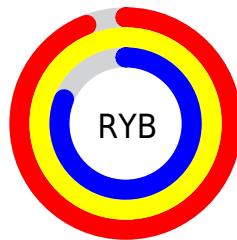
The Yxy color **83.4783, 0.3429, 0.3553** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **74.7463, 0.2843, 0.3012**, and the grayscale version is **83.7606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3463, 0.3493, 0.3602** is the 20% darker color. If you saturate the color by 10%, you get **76.4830, 0.3626, 0.3708**, and if you desaturate by 10%, it is **91.0436, 0.3252, 0.3403**.

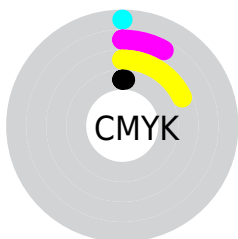
Distribution



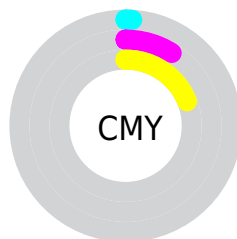
- Red (99%)
- Green (91%)
- Blue (81%)



- Red (94%)
- Yellow (99%)
- Blue (81%)



- Cyan (0%)
- Magenta (8%)
- Yellow (18%)
- Black (1%)





- Cyan (1%)
- Magenta (9%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.4783, 0.3429, 0.3553 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 83.4783, 0.3429, 0.3553 by changing the saturation by 10% instead.


 83.4783, 0.3429,
0.3553

 83.4783, 0.3429,
0.3553


506.5792, 0.3292,
0.3435

 62.5848, 0.3459,
0.3579


138.2452, 0.3382,
0.3513

 45.5054, 0.3497,
0.3611

172.8873, 0.3364,
0.3497

 31.8557, 0.3543,
0.3650


212.8811, 0.3348,
0.3483

 21.2513, 0.3603,
0.3701

258.6110, 0.3334,
0.3471

 13.3078, 0.3683,
0.3767

310.4614, 0.3322,
0.3461

 7.6409, 0.3793,
0.3858

368.8166, 0.3311,

 3.8660, 0.3957,

0.3451

0.3991

434.0611, 0.3301,
0.3443

■ 1.5989, 0.4283,
0.4258

■ 0.3569, 0.5272,
0.4728

■ 83.4783, 0.3429,
0.3553

■ 83.4783, 0.3429,
0.3553

■ 76.4830, 0.3626,
0.3708

■ 91.0436, 0.3252,
0.3403

■ 70.0308, 0.3844,
0.3863

■ 99.0252, 0.3109,
0.3284

■ 64.1089, 0.4077,
0.4011

■ 99.4474, 0.3109,
0.3290

■ 58.6993, 0.4321,
0.4141

■ 53.7829, 0.4566,
0.4242

■ 49.3386, 0.4799,
0.4301

■ 45.3424, 0.5004,
0.4308

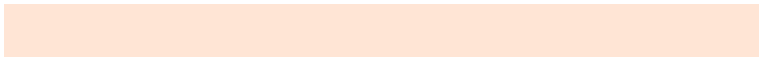
■ 41.7647, 0.5174,
0.4261

■ 41.0494, 0.5208,
0.4247

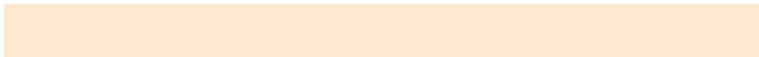
Harmonies

Analogous

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



83.4783, 0.3473, 0.3440



83.4783, 0.3429, 0.3553



83.4783, 0.3303, 0.3598

Triad

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



83.4783, 0.3429, 0.3553



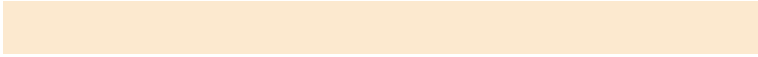
83.4783, 0.2841, 0.3276



83.4783, 0.3114, 0.3043

Complementary

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



83.4783, 0.3429, 0.3553



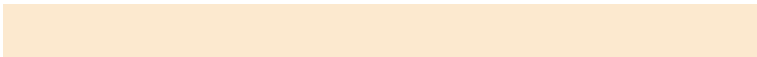
74.7463, 0.2843, 0.3012

Split Complementary

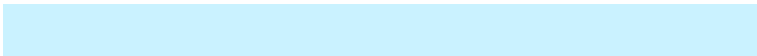
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.4783, 0.2948, 0.2997



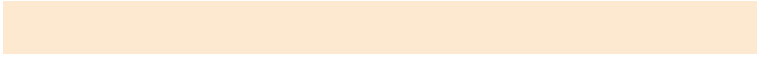
83.4783, 0.3429, 0.3553



83.4783, 0.2793, 0.3126

Square

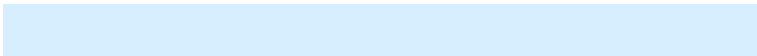
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.4783, 0.3429, 0.3553



83.4783, 0.2964, 0.3436



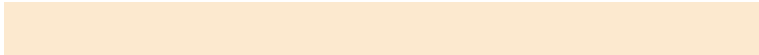
83.4783, 0.2832, 0.3025



83.4783, 0.3288, 0.3150

Rectangle

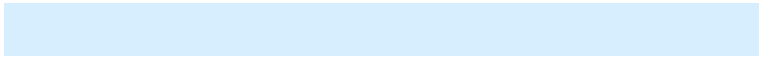
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.4783, 0.3429, 0.3553



83.4783, 0.3192, 0.3580



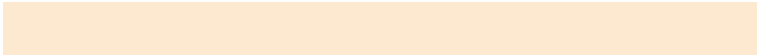
83.4783, 0.2832, 0.3025



83.4783, 0.3055, 0.3020

Sweetspot

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



83.4820, 0.3429, 0.3553



95.8084, 0.3205, 0.3361



70.8622, 0.3329, 0.3092



20.3834, 0.3217, 0.3371



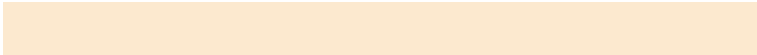
0.0000, 0.0000, 0.0000



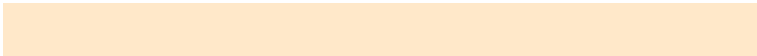
21.4041, 0.3127, 0.3290

Same Dimension

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



83.4820, 0.3429, 0.3553



83.3907, 0.3489, 0.3601



94.3179, 0.3377, 0.3739



18.8869, 0.3279, 0.3427



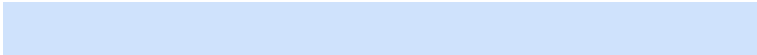
21.6694, 0.5186, 0.4264



2.2169, 0.5035, 0.4384

Inverse Universe

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



74.7463, 0.2843, 0.3012



73.0823, 0.2790, 0.2957



65.3713, 0.2852, 0.2804



17.8515, 0.2979, 0.3150



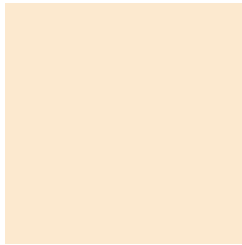
9.3878, 0.1703, 0.1331



1.0744, 0.1767, 0.1563

Previews

White Background



This preview shows how the Yxy color 83.4783, 0.3429, 0.3553 looks on a white background.

Color Contrast Check

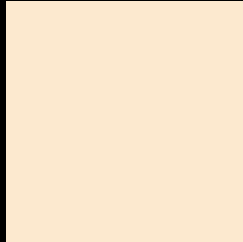
Large Text (above 18pt) WCAG AA × Fail

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 83.4783, 0.3429, 0.3553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

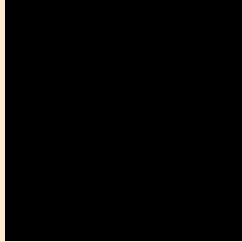
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.4783, 0.3429, 0.3553

Background



This preview shows how black text looks on a background with the Yxy color 83.4783, 0.3429, 0.3553.

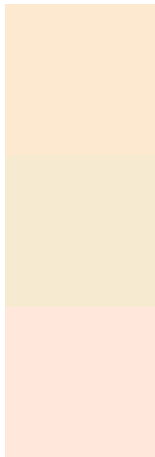


This preview shows how white text looks on a background with the Yxy color 83.4783, 0.3429, 0.3553.

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

83.4783, 0.3429, 0.3553

Protanopia

83.5636, 0.3376, 0.3567

Deuteranopia

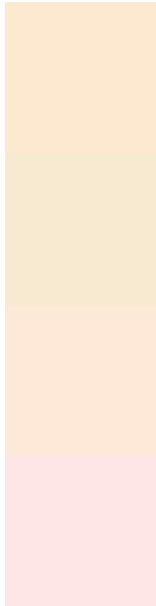
83.5791, 0.3366, 0.3400



Tritanopia

83.2785, 0.3210, 0.3134

Trichromacy



Original Color

83.4783, 0.3429, 0.3553

Protanomaly

83.3562, 0.3392, 0.3555

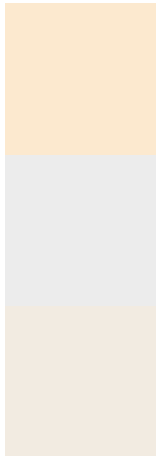
Deuteranomaly

83.6904, 0.3391, 0.3461

Tritanomaly

83.4340, 0.3287, 0.3281

Monochromacy



Original Color

83.4783, 0.3429, 0.3553

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.7301, 0.3238, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4783, 0.3429, 0.3553 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(252, 233, 207)` looks like.

```
.text, #text, p{  
    color:rgb(252, 233, 207)  
}
```

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(252, 233, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 233, 207) }
```

Border

The CSS property to change the border of an element to Yxy 83.4783, 0.3429, 0.3553 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(252, 233, 207) }
```

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

```
.border{ border-color:rgb(252, 233, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 233, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 233, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 233, 207);  
box-shadow:4px 4px 4px 4px rgb(252, 233,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4783, 0.3429, 0.3553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 233, 207) }
```

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

```
.background{ background-color: rgb(252,  
233, 207) }
```

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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