

Converting Colors

$Y_{xy}(83.3232, 0.3450, 0.3603)$

Have a look what the booklet for
Yxy(83.3232, 0.3450, 0.3603)
contains.

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Color

Yxy(83.0989, 0.3448, 0.3595)

Conversions

Conversions Part 1

Format	Color
Hex	FBE9CB
RGB	251, 233, 203
RGB Percent	98%, 91%, 80%
CMY	0.0157, 0.0862, 0.2038
CMYK	0.00, 0.07, 0.19, 0.02
HSL	38°, 86%, 89%
HSV	38°, 19%, 98%
XYZ	79.7010, 83.0989, 68.3514
YIQ	234.9620, 20.3580, -5.5140

Conversions

Conversions Part 2

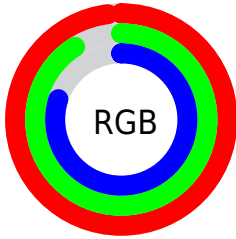
Format	Color
R_{YB}	232, 251, 203
Decimal	16509387
CIE _{Lab}	93.06, 1.42, 16.78
CIE _{LCh}	93, 16.842, 85.163
Yxy	83.0989, 0.3448, 0.3595
Android (android.graphics.Color)	4294699467 (0xFFFFBE9CB)
YUV	234.9620, -15.7573, 14.0653
Hunter-Lab	91.1586, -3.4630, 19.3549

Details

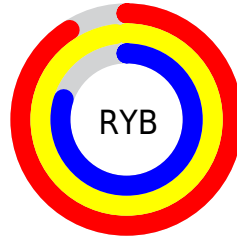
The Yxy color **83.0989, 0.3448, 0.3595** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **71.3784, 0.2821, 0.2965**, and the grayscale version is **83.1604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.0835, 0.3519, 0.3656** is the 20% darker color. If you saturate the color by 10%, you get **76.8149, 0.3642, 0.3763**, and if you desaturate by 10%, it is **89.8681, 0.3272, 0.3432**.

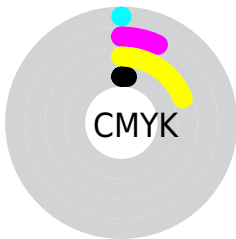
Distribution



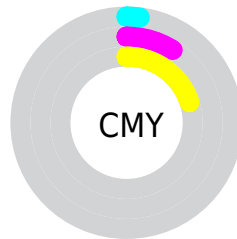
- Red (98%)
- Green (91%)
- Blue (80%)



- Red (91%)
- Yellow (98%)
- Blue (80%)



- Cyan (0%)
- Magenta (7%)
- Yellow (19%)
- Black (2%)




- Cyan (2%)
- Magenta (9%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.0989, 0.3448, 0.3595 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 83.0989, 0.3448, 0.3595 by changing the saturation by 10% instead.


 83.0989, 0.3448,
0.3595

 83.0989, 0.3448,
0.3595

505.3161, 0.3303,
0.3458

 62.2717, 0.3480,
0.3625

137.7140, 0.3398,
0.3548

 45.2523, 0.3520,
0.3662


172.2707, 0.3379,
0.3530

 31.6562, 0.3569,
0.3708


212.1727, 0.3362,
0.3514

 21.0990, 0.3632,
0.3767

257.8044, 0.3347,
0.3500

 13.1964, 0.3716,
0.3845

309.5502, 0.3334,
0.3487

 7.5639, 0.3832,
0.3952

367.7945, 0.3323,

 3.8172, 0.4002,

0.3476

0.4106

432.9216, 0.3312,
0.3467

■ 1.5718, 0.4393,
0.4468

■ 0.3385, 0.5129,
0.4871

■ 83.0989, 0.3448,
0.3595

■ 83.0989, 0.3448,
0.3595

■ 76.8149, 0.3642,
0.3763

■ 89.8681, 0.3272,
0.3432

■ 70.9913, 0.3852,
0.3929

■ 97.1243, 0.3114,
0.3277

■ 65.6172, 0.4075,
0.4086

■ 99.2473, 0.3102,
0.3290

■ 60.6771, 0.4302,
0.4223

■ 56.1538, 0.4525,
0.4329

■ 52.0286, 0.4731,
0.4392

■ 48.2797, 0.4909,
0.4403

■ 44.8771, 0.5054,
0.4364

■ 44.5886, 0.5066,
0.4359

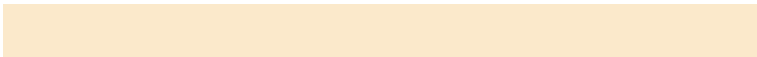
Harmonies

Analogous

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



83.0989, 0.3512, 0.3477



83.0989, 0.3448, 0.3595



83.0989, 0.3298, 0.3633

Triad

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



83.0989, 0.3448, 0.3595



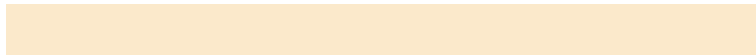
83.0989, 0.2796, 0.3248



83.0989, 0.3140, 0.3029

Complementary

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



83.0989, 0.3448, 0.3595



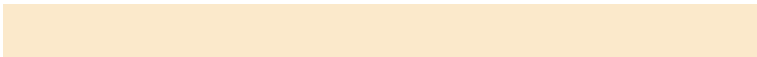
71.3784, 0.2821, 0.2965

Split Complementary

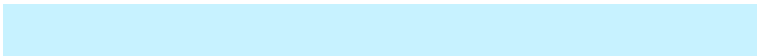
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0989, 0.2951, 0.2967



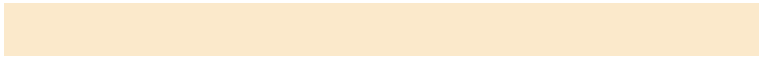
83.0989, 0.3448, 0.3595



83.0989, 0.2757, 0.3086

Square

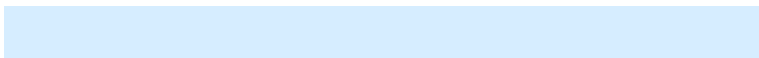
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0989, 0.3448, 0.3595



83.0989, 0.2922, 0.3429



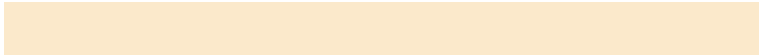
83.0989, 0.2812, 0.2986



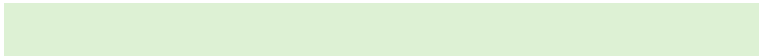
83.0989, 0.3331, 0.3155

Rectangle

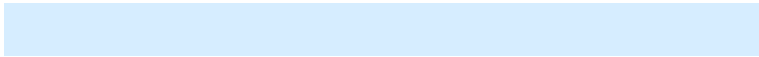
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.0989, 0.3448, 0.3595



83.0989, 0.3170, 0.3603



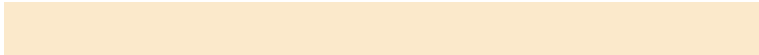
83.0989, 0.2812, 0.2986



83.0989, 0.3074, 0.3000

Sweetspot

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



83.1026, 0.3448, 0.3595



95.4485, 0.3221, 0.3383



68.4718, 0.3364, 0.3102



20.3263, 0.3231, 0.3393



0.0000, 0.0000, 0.0000



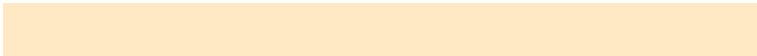
21.4041, 0.3127, 0.3290

Same Dimension

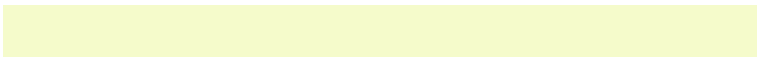
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1026, 0.3448, 0.3595



83.5475, 0.3522, 0.3660



92.7838, 0.3378, 0.3773



19.0333, 0.3278, 0.3438



23.7289, 0.5048, 0.4374



2.4013, 0.4918, 0.4477

Inverse Universe

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



71.3784, 0.2821, 0.2965



69.3198, 0.2754, 0.2890



63.1863, 0.2847, 0.2769



17.7090, 0.2979, 0.3138



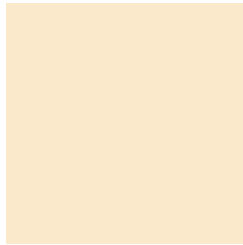
8.1341, 0.1663, 0.1188



0.9495, 0.1729, 0.1424

Previews

White Background



This preview shows how the Yxy color 83.0989, 0.3448, 0.3595 looks on a white background.

Color Contrast Check

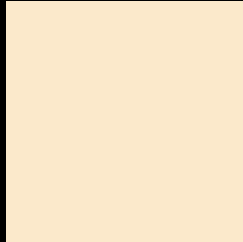
Large Text (above 18pt) WCAG AA × Fail

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 83.0989, 0.3448, 0.3595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

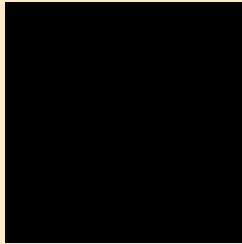
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

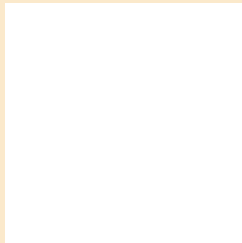
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.0989, 0.3448, 0.3595

Background



This preview shows how black text looks on a background with the Yxy color 83.0989, 0.3448, 0.3595.

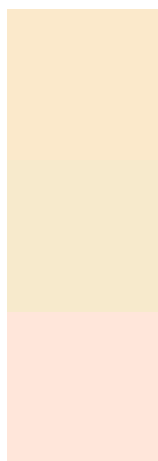


This preview shows how white text looks on a background with the Yxy color 83.0989, 0.3448, 0.3595.

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

83.0989, 0.3448, 0.3595

Protanopia

82.9794, 0.3411, 0.3598

Deuteranopia

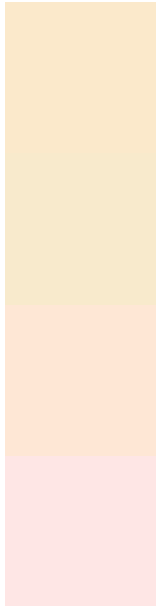
82.9156, 0.3381, 0.3411



Tritanopia

83.2785, 0.3210, 0.3134

Trichromacy



Original Color

83.0989, 0.3448, 0.3595

Protanomaly

83.1617, 0.3418, 0.3597

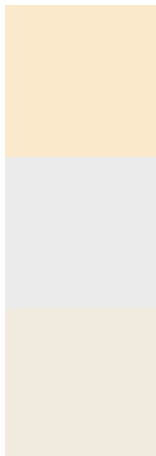
Deuteranomaly

83.0268, 0.3406, 0.3471

Tritanomaly

83.3216, 0.3300, 0.3300

Monochromacy



Original Color

83.0989, 0.3448, 0.3595

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

82.8741, 0.3245, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0989, 0.3448, 0.3595 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(251, 233, 203)` looks like.

```
.text, #text, p{  
    color:rgb(251, 233, 203)  
}
```

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(251, 233, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 233, 203) }
```

Border

The CSS property to change the border of an element to Yxy 83.0989, 0.3448, 0.3595 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(251, 233, 203) }
```

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

```
.border{ border-color:rgb(251, 233, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 233, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 233, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 233, 203);  
box-shadow:4px 4px 4px 4px rgb(251, 233,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0989, 0.3448, 0.3595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 233, 203) }
```

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

```
.background{ background-color: rgb(251,  
233, 203) }
```

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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