

Converting Colors

Yxy(83.6808, 0.3490, 0.3698)

Have a look what the booklet for
Yxy(83.6808, 0.3490, 0.3698)
contains.

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Color

Yxy(83.6808, 0.3490, 0.3698)

Conversions

Conversions Part 1

Format	Color
Hex	FAEBC3
RGB	250, 235, 195
RGB Percent	98%, 92%, 76%
CMY	0.0198, 0.0784, 0.2352
CMYK	0.00, 0.06, 0.22, 0.02
HSL	44°, 84%, 87%
HSV	44°, 22%, 98%
XYZ	78.9740, 83.6808, 63.6318
YIQ	234.9250, 21.7800, -9.2600

Conversions

Conversions Part 2

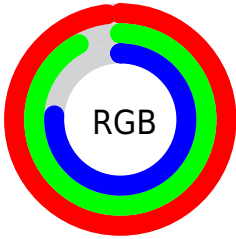
Format	Color
R _Y B	216, 250, 195
Decimal	16444355
CIE Lab	93.31, -1.11, 21.26
CIE LCh	93, 21.285, 92.996
Yxy	83.6808, 0.3490, 0.3698
Android (android.graphics.Color)	4294634435 (0xFFFAEBC3)
YUV	234.9250, -19.6830, 13.2208
Hunter-Lab	91.4772, -5.9826, 22.7918

Details

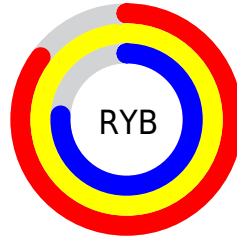
The Yxy color **83.6808, 0.3490, 0.3698** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **64.5806, 0.2767, 0.2846**, and the grayscale version is **83.1578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **45.5007, 0.3572, 0.3787** is the 20% darker color. If you saturate the color by 10%, you get **78.8274, 0.3675, 0.3890**, and if you desaturate by 10%, it is **88.8798, 0.3317, 0.3508**.

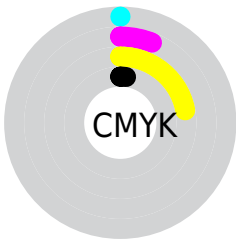
Distribution



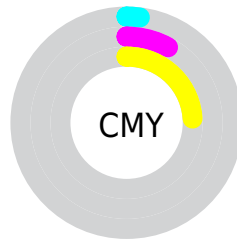
- Red (98%)
- Green (92%)
- Blue (76%)



- Red (85%)
- Yellow (98%)
- Blue (76%)



- Cyan (0%)
- Magenta (6%)
- Yellow (22%)
- Black (2%)





- Cyan (2%)
- Magenta (8%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.6808, 0.3490, 0.3698 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 83.6808, 0.3490, 0.3698 by changing the saturation by 10% instead.

 83.6808, 0.3490,
0.3698

 83.6808, 0.3490,
0.3698


507.2527, 0.3327,
0.3514

 62.7519, 0.3526,
0.3739


138.5286, 0.3434,
0.3635

 45.6406, 0.3570,
0.3789


173.2163, 0.3413,
0.3610

 31.9623, 0.3624,
0.3850


213.2590, 0.3394,
0.3589

 21.3327, 0.3693,
0.3929

259.0413, 0.3377,
0.3570

 13.3674, 0.3784,
0.4033

310.9473, 0.3362,
0.3554

 7.6820, 0.3907,
0.4175

369.3617, 0.3349,

 3.8922, 0.4080,

0.3539

0.4378

434.6686, 0.3337,
0.3526

1.6134, 0.4630,
0.5002

0.3666, 0.4671,
0.5329

83.6808, 0.3490,
0.3698

83.6808, 0.3490,
0.3698

78.8274, 0.3675,
0.3890

88.8798, 0.3317,
0.3508

74.2972, 0.3869,
0.4077

94.4235, 0.3157,
0.3325

70.0822, 0.4064,
0.4251

99.0566, 0.3096,
0.3290

66.1693, 0.4255,
0.4400

■ 62.5444, 0.4431,
0.4513

■ 59.1910, 0.4584,
0.4581

■ 56.0899, 0.4707,
0.4599

■ 53.7621, 0.4785,
0.4583

Harmonies

Analogous

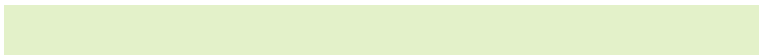
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6808, 0.3605, 0.3569



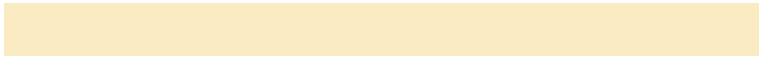
83.6808, 0.3490, 0.3698



83.6808, 0.3279, 0.3718

Triad

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



83.6808, 0.3490, 0.3698



83.6808, 0.2688, 0.3176



83.6808, 0.3208, 0.2999

Complementary

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



83.6808, 0.3490, 0.3698



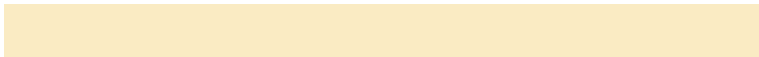
64.5806, 0.2767, 0.2846

Split Complementary

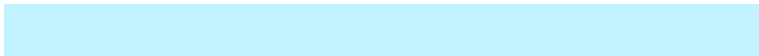
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6808, 0.2963, 0.2898



83.6808, 0.3490, 0.3698



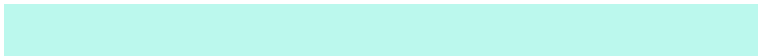
83.6808, 0.2670, 0.2990

Square

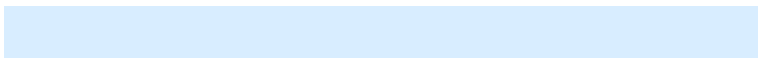
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6808, 0.3490, 0.3698



83.6808, 0.2819, 0.3406



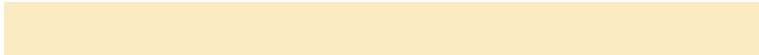
83.6808, 0.2768, 0.2892



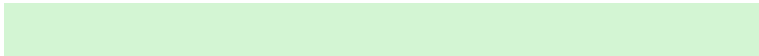
83.6808, 0.3439, 0.3170

Rectangle

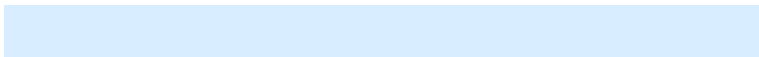
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.6808, 0.3490, 0.3698



83.6808, 0.3115, 0.3659



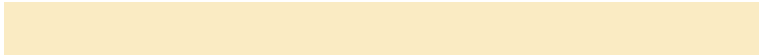
83.6808, 0.2768, 0.2892



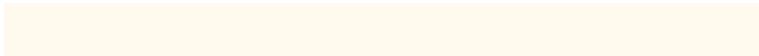
83.6808, 0.3124, 0.2956

Sweetspot

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



83.6846, 0.3490, 0.3698



95.8446, 0.3235, 0.3416



64.0395, 0.3451, 0.3129



20.4398, 0.3245, 0.3427



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

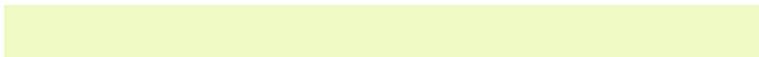
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6846, 0.3490, 0.3698



85.4706, 0.3564, 0.3776



90.4743, 0.3379, 0.3855



19.3454, 0.3276, 0.3462



28.7791, 0.4773, 0.4592



2.8414, 0.4688, 0.4660

Inverse Universe

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



64.5806, 0.2767, 0.2846



62.4966, 0.2695, 0.2751



59.1948, 0.2837, 0.2688



17.4111, 0.2979, 0.3112



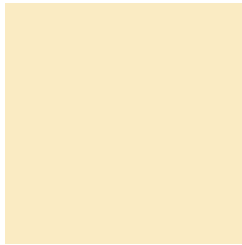
6.0571, 0.1592, 0.0932



0.7291, 0.1655, 0.1157

Previews

White Background



This preview shows how the Yxy color 83.6808, 0.3490, 0.3698 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 83.6808, 0.3490, 0.3698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

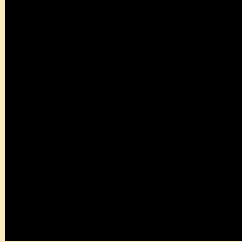
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.6808, 0.3490, 0.3698

Background



This preview shows how black text looks on a background with the Yxy color 83.6808, 0.3490, 0.3698.

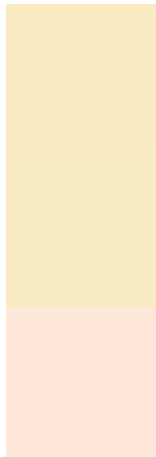


This preview shows how white text looks on a background with the Yxy color 83.6808, 0.3490, 0.3698.

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

83.6808, 0.3490, 0.3698

Protanopia

83.4965, 0.3483, 0.3699

Deuteranopia

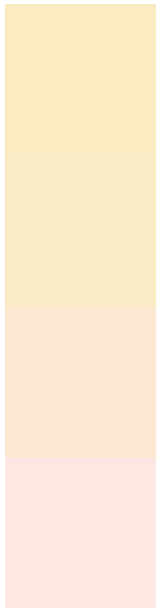
83.4216, 0.3386, 0.3431



Tritanopia

83.8912, 0.3203, 0.3134

Trichromacy



Original Color

83.6808, 0.3490, 0.3698

Protanomaly

83.4965, 0.3483, 0.3699

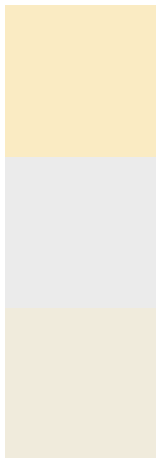
Deuteranomaly

83.1993, 0.3424, 0.3523

Tritanomaly

83.5805, 0.3305, 0.3330

Monochromacy



Original Color

83.6808, 0.3490, 0.3698

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.1092, 0.3256, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6808, 0.3490, 0.3698 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(250, 235, 195)` looks like.

```
.text, #text, p{  
    color:rgb(250, 235, 195)  
}
```

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(250, 235, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 235, 195) }
```

Border

The CSS property to change the border of an element to Yxy 83.6808, 0.3490, 0.3698 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(250, 235, 195) }
```

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

```
.border{ border-color:rgb(250, 235, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 235, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 235, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 235, 195);  
box-shadow:4px 4px 4px 4px rgb(250, 235,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6808, 0.3490, 0.3698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 235, 195) }
```

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

```
.background{ background-color: rgb(250,  
235, 195) }
```

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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