

Converting Colors

$Yxy(83.8207, 0.3437, 0.3627)$

Have a look what the booklet for
Yxy(83.8207, 0.3437, 0.3627)
contains.

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Color

Yxy(83.8207, 0.3437, 0.3627)

Conversions

Conversions Part 1

Format	Color
Hex	F9EBCA
RGB	249, 235, 202
RGB Percent	98%, 92%, 79%
CMY	0.0236, 0.0784, 0.2080
CMYK	0.00, 0.06, 0.19, 0.02
HSL	42°, 80%, 88%
HSV	42°, 19%, 98%
XYZ	79.4298, 83.8207, 67.8516
YIQ	235.4240, 18.9370, -7.2950

Conversions

Conversions Part 2

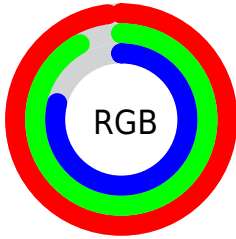
Format	Color
R _Y B	222, 249, 202
Decimal	16378826
CIE Lab	93.37, -0.47, 17.74
CIE LCh	93, 17.750, 91.525
Yxy	83.8207, 0.3437, 0.3627
Android (android.graphics.Color)	4294568906 (0xFFF9EBCA)
YUV	235.4240, -16.4780, 11.9062
Hunter-Lab	91.5536, -5.3565, 20.1470

Details

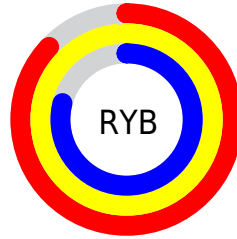
The Yxy color **83.8207, 0.3437, 0.3627** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **68.4764, 0.2822, 0.2929**, and the grayscale version is **83.5348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5848, 0.3503, 0.3696** is the 20% darker color. If you saturate the color by 10%, you get **78.5882, 0.3622, 0.3813**, and if you desaturate by 10%, it is **89.4273, 0.3266, 0.3445**.

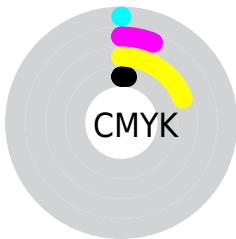
Distribution



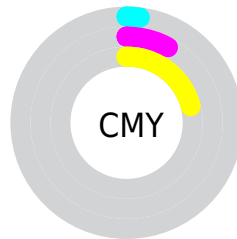
- Red (98%)
- Green (92%)
- Blue (79%)



- Red (87%)
- Yellow (98%)
- Blue (79%)



- Cyan (0%)
- Magenta (6%)
- Yellow (19%)
- Black (2%)





- Cyan (2%)
- Magenta (8%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8207, 0.3437, 0.3627 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 83.8207, 0.3437, 0.3627 by changing the saturation by 10% instead.


 83.8207, 0.3437,
0.3627

 83.8207, 0.3437,
0.3627


507.7176, 0.3297,
0.3475

 62.8674, 0.3468,
0.3661


138.7243, 0.3389,
0.3575

 45.7340, 0.3506,
0.3702


173.4435, 0.3371,
0.3555

 32.0359, 0.3553,
0.3753


213.5200, 0.3354,
0.3537

 21.3889, 0.3613,
0.3819

259.3384, 0.3340,
0.3521

 13.4086, 0.3692,
0.3906

311.2829, 0.3328,
0.3508

 7.7105, 0.3801,
0.4025

369.7380, 0.3316,

 3.9103, 0.3958,

0.3496

0.4199

435.0881, 0.3306,
0.3485

■ 1.6235, 0.4334,
0.4611

■ 0.3734, 0.4791,
0.5209

■ 83.8207, 0.3437,
0.3627

■ 83.8207, 0.3437,
0.3627

■ 78.5882, 0.3622,
0.3813

■ 89.4273, 0.3266,
0.3445

■ 73.7073, 0.3817,
0.3997

■ 95.4074, 0.3111,
0.3271

■ 69.1698, 0.4019,
0.4171

■ 98.8775, 0.3090,
0.3290

■ 64.9627, 0.4221,
0.4324

■ 61.0717, 0.4412,
0.4445

■ 57.4809, 0.4584,
0.4524

■ 54.1716, 0.4727,
0.4553

■ 51.1176, 0.4839,
0.4534

■ 50.7886, 0.4851,
0.4530

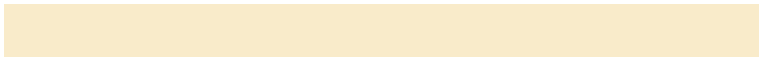
Harmonies

Analogous

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



83.8207, 0.3527, 0.3518



83.8207, 0.3437, 0.3627



83.8207, 0.3265, 0.3646

Triad

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



83.8207, 0.3437, 0.3627



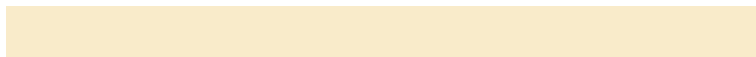
83.8207, 0.2763, 0.3206



83.8207, 0.3185, 0.3039

Complementary

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



83.8207, 0.3437, 0.3627



68.4764, 0.2822, 0.2929

Split Complementary

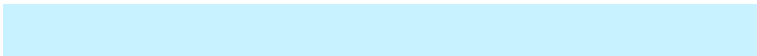
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.8207, 0.2981, 0.2958



83.8207, 0.3437, 0.3627



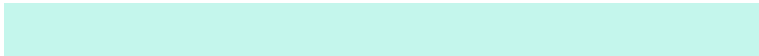
83.8207, 0.2743, 0.3047

Square

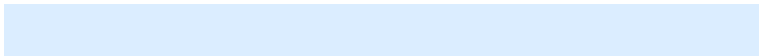
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.8207, 0.3437, 0.3627



83.8207, 0.2877, 0.3397



83.8207, 0.2821, 0.2959



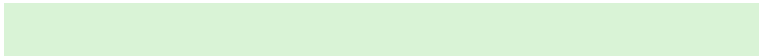
83.8207, 0.3379, 0.3182

Rectangle

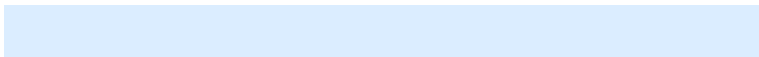
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.8207, 0.3437, 0.3627



83.8207, 0.3128, 0.3601



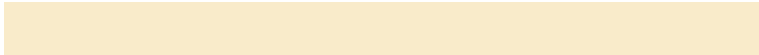
83.8207, 0.2821, 0.2959



83.8207, 0.3116, 0.3004

Sweetspot

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



83.8244, 0.3437, 0.3627



96.1860, 0.3220, 0.3394



67.3276, 0.3390, 0.3145



20.5008, 0.3230, 0.3406



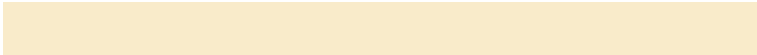
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



83.8244, 0.3437, 0.3627



86.1585, 0.3512, 0.3704



90.4595, 0.3349, 0.3771



19.2684, 0.3276, 0.3456



27.4489, 0.4838, 0.4541



2.7268, 0.4742, 0.4617

Inverse Universe

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



68.4764, 0.2822, 0.2929



66.9863, 0.2750, 0.2838



62.9714, 0.2878, 0.2780



17.4839, 0.2979, 0.3118



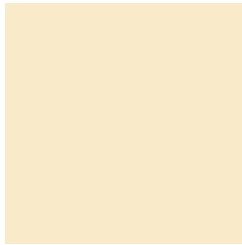
6.4982, 0.1608, 0.0988



0.7779, 0.1672, 0.1219

Previews

White Background



This preview shows how the Yxy color 83.8207, 0.3437, 0.3627 looks on a white background.

Color Contrast Check

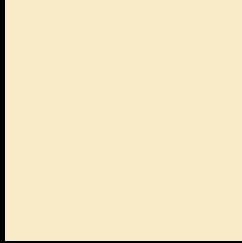
Large Text (above 18pt) WCAG AA × Fail

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 83.8207, 0.3437, 0.3627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

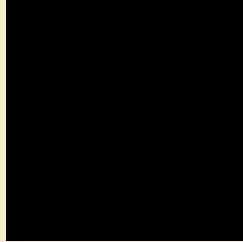
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.8207, 0.3437, 0.3627

Background



This preview shows how black text looks on a background with the Yxy color 83.8207, 0.3437, 0.3627.

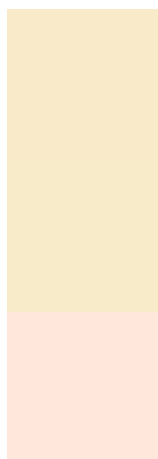


This preview shows how white text looks on a background with the Yxy color 83.8207, 0.3437, 0.3627.

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

83.8207, 0.3437, 0.3627

Protanopia

83.6374, 0.3430, 0.3627

Deuteranopia

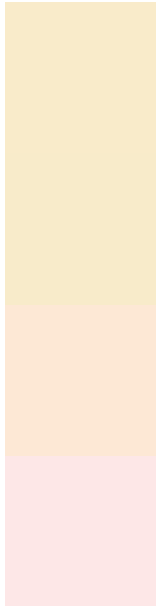
83.5263, 0.3373, 0.3410



Tritanopia

84.0140, 0.3190, 0.3115

Trichromacy



Original Color

83.8207, 0.3437, 0.3627

Protanomaly

83.6374, 0.3430, 0.3627

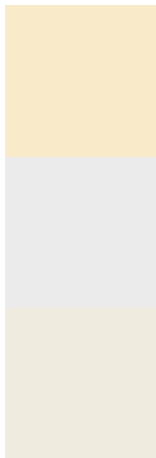
Deuteranomaly

83.4000, 0.3397, 0.3482

Tritanomaly

83.8040, 0.3279, 0.3290

Monochromacy



Original Color

83.8207, 0.3437, 0.3627

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.2696, 0.3237, 0.3413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8207, 0.3437, 0.3627 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(249, 235, 202)` looks like.

```
.text, #text, p{  
    color:rgb(249, 235, 202)  
}
```

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(249, 235, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 235, 202) }
```

Border

The CSS property to change the border of an element to Yxy 83.8207, 0.3437, 0.3627 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(249, 235, 202) }
```

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

```
.border{ border-color:rgb(249, 235, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 235, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(249, 235, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(249, 235, 202); box-shadow:4px 4px 4px 4px rgb(249, 235, 202) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8207, 0.3437, 0.3627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 235, 202) }
```

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

```
.background{ background-color: rgb(249,  
235, 202) }
```

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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