

# Converting Colors

$Y_{xy}(83.7332, 0.3292, 0.3408)$

Have a look what the booklet for  
Yxy(83.7332, 0.3292, 0.3408)  
contains.

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# Color

**Yxy(83.8937, 0.3293, 0.3412)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7EADE
RGB	247, 234, 222
RGB Percent	97%, 92%, 87%
CMY	0.0313, 0.0823, 0.1295
CMYK	0.00, 0.05, 0.10, 0.03
HSL	29°, 61%, 92%
HSV	29°, 10%, 97%
XYZ	80.9677, 83.8937, 81.0169
YIQ	236.5190, 11.6000, -0.9760

# Conversions

## Conversions Part 2

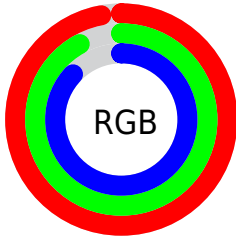
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">247, 245, 222</a>
Decimal	<a href="#">16247518</a>
CIELab	<a href="#">93.40, 2.41, 7.40</a>
CIELCh	<a href="#">93, 7.779, 71.945</a>
Yxy	<a href="#">83.8937, 0.3293, 0.3412</a>
Android (android.graphics.Color)	<a href="#">4294437598</a> ( <a href="#">0xFFFF7EAD</a> )
YUV	<a href="#">236.5190, -7.1579, 9.1918</a>
Hunter-Lab	<a href="#">91.5935, -2.4964, 11.6718</a>

# Details

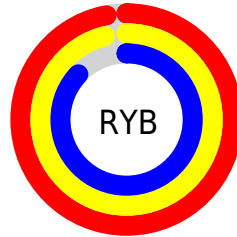
The Yxy color **83.8937, 0.3293, 0.3412** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.6573, 0.2970, 0.3165**, and the grayscale version is **84.3515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7072, 0.3334, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **75.6196, 0.3481, 0.3539**, and if you desaturate by 10%, it is **92.8992, 0.3129, 0.3292**.

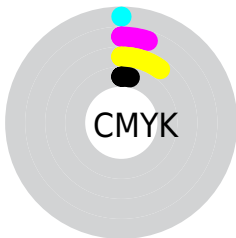
# Distribution



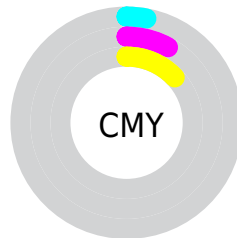
- Red (97%)
- Green (92%)
- Blue (87%)



- Red (97%)
- Yellow (96%)
- Blue (87%)



- Cyan (0%)
- Magenta (5%)
- Yellow (10%)
- Black (3%)




- Cyan (3%)
- Magenta (8%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.8937, 0.3293, 0.3412 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 83.8937, 0.3293, 0.3412 by changing the saturation by 10% instead.



 83.8937, 0.3293,  
0.3412

 83.8937, 0.3293,  
0.3412

507.9602, 0.3218,  
0.3357

 62.9277, 0.3310,  
0.3424


138.8265, 0.3267,  
0.3393

 45.7827, 0.3330,  
0.3439


173.5620, 0.3257,  
0.3386

 32.0744, 0.3356,  
0.3457


213.6562, 0.3248,  
0.3380

 21.4183, 0.3389,  
0.3481

259.4933, 0.3241,  
0.3374

 13.4301, 0.3434,  
0.3512

311.4579, 0.3234,  
0.3369

 7.7254, 0.3496,  
0.3556

369.9344, 0.3228,

 3.9197, 0.3590,

0.3365

0.3620

435.3070, 0.3223,  
0.3361

■ 1.6288, 0.3747,  
0.3726

■ 0.3769, 0.5253,  
0.4747

■ 83.8937, 0.3293,  
0.3412

■ 83.8937, 0.3293,  
0.3412

■ 75.6196, 0.3481,  
0.3539

■ 92.8992, 0.3129,  
0.3292

■ 68.0463, 0.3695,  
0.3670

■ 98.5177, 0.3078,  
0.3290

■ 61.1568, 0.3935,  
0.3801

■ 54.9296, 0.4200,  
0.3923

■ 49.3415, 0.4481,  
0.4026

■ 44.3677, 0.4769,  
0.4097

■ 39.9810, 0.5045,  
0.4124

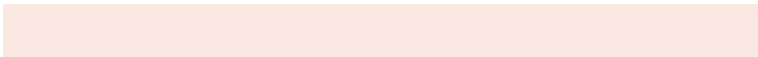
■ 36.1511, 0.5291,  
0.4097

■ 32.8781, 0.5493,  
0.4021

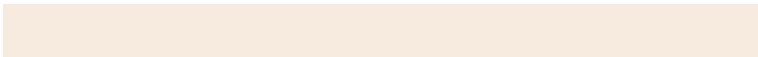
# Harmonies

## Analogous

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



83.8937, 0.3300, 0.3348



83.8937, 0.3293, 0.3412



83.8937, 0.3241, 0.3445

# Triad

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



83.8937, 0.3293, 0.3412



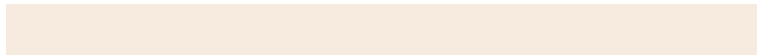
83.8937, 0.2995, 0.3309



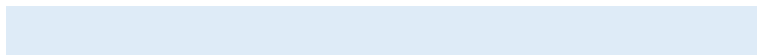
83.8937, 0.3094, 0.3150

# Complementary

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



83.8937, 0.3293, 0.3412



81.6573, 0.2970, 0.3165

# 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.



83.8937, 0.3014, 0.3138



83.8937, 0.3293, 0.3412



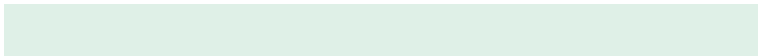
83.8937, 0.2957, 0.3229

# Square

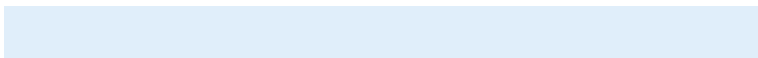
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.8937, 0.3293, 0.3412



83.8937, 0.3068, 0.3385



83.8937, 0.2964, 0.3167

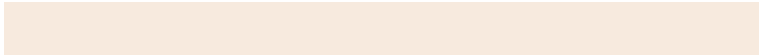


83.8937, 0.3185, 0.3198



# Rectangle

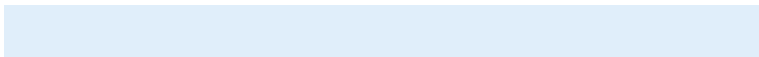
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.8937, 0.3293, 0.3412



83.8937, 0.3188, 0.3443



83.8937, 0.2964, 0.3167



83.8937, 0.3065, 0.3142

# Sweetspot

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



83.8974, 0.3293, 0.3412



97.0059, 0.3174, 0.3325



78.0266, 0.3216, 0.3156



20.5946, 0.3187, 0.3335



0.0000, 0.0000, 0.0000

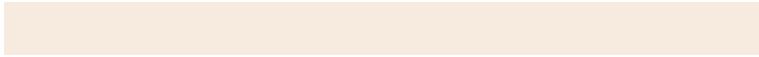


21.4041, 0.3127, 0.3290

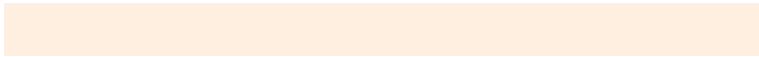


# Same Dimension

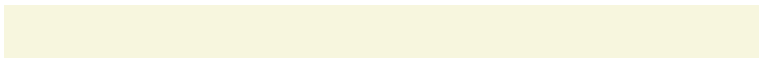
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8974, 0.3293, 0.3412



88.4509, 0.3326, 0.3436



91.0744, 0.3279, 0.3532



17.7954, 0.3282, 0.3404



17.6662, 0.5466, 0.4042

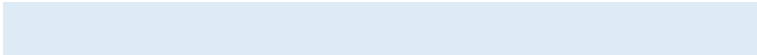


1.7573, 0.5265, 0.4202

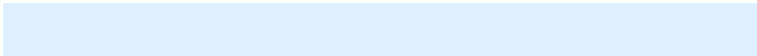


# Inverse Universe

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



81.6573, 0.2970, 0.3165



85.6325, 0.2940, 0.3140



74.9187, 0.2968, 0.3036



17.3520, 0.2980, 0.3173



12.0584, 0.1790, 0.1644

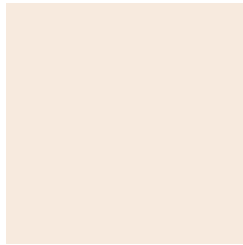


1.2656, 0.1851, 0.1864



# Previews

## White Background



This preview shows how the Yxy color 83.8937, 0.3293, 0.3412 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 83.8937, 0.3293, 0.3412 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

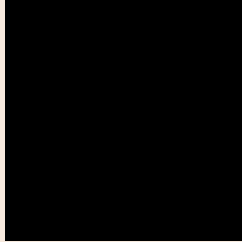
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

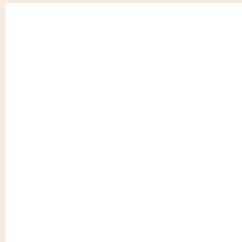
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.8937, 0.3293, 0.3412**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.8937, 0.3293, 0.3412.

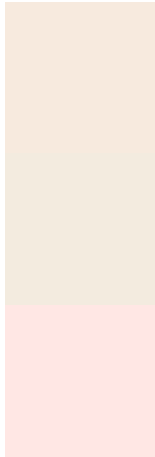


This preview shows how white text looks on a background with the Yxy color 83.8937, 0.3293, 0.3412.

# 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

83.8937, 0.3293, 0.3412

### Protanopia

83.7991, 0.3257, 0.3413

### Deuteranopia

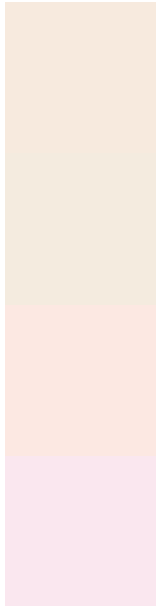
84.0133, 0.3313, 0.3320



## Tritanopia

83.8802, 0.3156, 0.3113

# Trichromacy



## Original Color

83.8937, 0.3293, 0.3412

## Protanomaly

83.9775, 0.3264, 0.3412

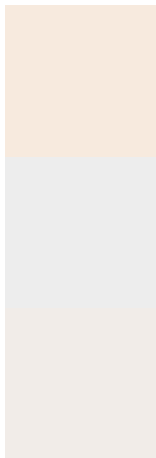
## Deuteranomaly

83.8997, 0.3304, 0.3350

## Tritanomaly

83.7078, 0.3206, 0.3211

# Monochromacy



## Original Color

83.8937, 0.3293, 0.3412

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

84.5179, 0.3186, 0.3331

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.8937, 0.3293, 0.3412 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, 234, 222)` looks like.

```
.text, #text, p{  
    color:rgb(247, 234, 222)  
}
```

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, 234, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 234, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 83.8937, 0.3293, 0.3412 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, 234, 222) }
```

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

```
.border{ border-color:rgb(247, 234, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 234, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 234, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 234, 222);  
box-shadow:4px 4px 4px 4px rgb(247, 234,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.8937, 0.3293, 0.3412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 234, 222) }
```

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

```
.background{ background-color: rgb(247,  
234, 222) }
```

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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