

# Converting Colors

Yxy(83.8342, 0.3195, 0.3313)

Have a look what the booklet for  
Yxy(83.8342, 0.3195, 0.3313)  
contains.

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# Color

**Yxy(83.5491, 0.3194, 0.3310)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2EAE8
RGB	242, 234, 232
RGB Percent	95%, 92%, 91%
CMY	0.0508, 0.0824, 0.0901
CMYK	0.00, 0.03, 0.04, 0.05
HSL	12°, 28%, 93%
HSV	12°, 4%, 95%
XYZ	80.6211, 83.5491, 88.2440
YIQ	236.1640, 5.4100, 1.0740

# Conversions

## Conversions Part 2

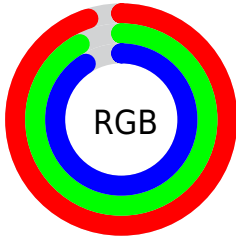
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 235, 232
Decimal	15919848
CIE Lab	93.25, 2.38, 1.90
CIE LCh	93, 3.046, 38.617
Yxy	83.5491, 0.3194, 0.3310
Android (android.graphics.Color)	4294109928 (0xFF2EAE8)
YUV	236.1640, -2.0529, 5.1182
Hunter-Lab	91.4052, -2.5188, 6.7441

# Details

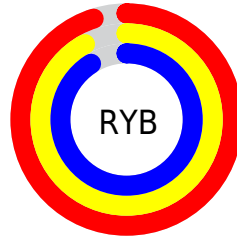
The Yxy color **83.5491, 0.3194, 0.3310** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.9474, 0.3063, 0.3270**, and the grayscale version is **84.0336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4145, 0.3214, 0.3316** is the 20% darker color. If you saturate the color by 10%, you get **71.7848, 0.3379, 0.3361**, and if you desaturate by 10%, it is **96.6491, 0.3048, 0.3275**.

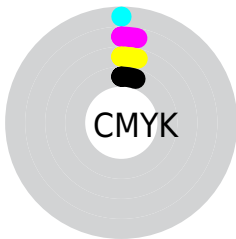
# Distribution



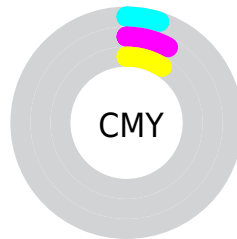
- Red (95%)
- Green (92%)
- Blue (91%)



- Red (95%)
- Yellow (92%)
- Blue (91%)



- Cyan (0%)
- Magenta (3%)
- Yellow (4%)
- Black (5%)



- Cyan (5%)
- Magenta (8%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5491, 0.3194, 0.3310 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 83.5491, 0.3194, 0.3310 by changing the saturation by 10% instead.



83.5491, 0.3194,  
0.3310

83.5491, 0.3194,  
0.3310

506.8147, 0.3164,  
0.3301

62.6432, 0.3201,  
0.3312

138.3443, 0.3184,  
0.3307

45.5526, 0.3209,  
0.3314

173.0023, 0.3180,  
0.3306

31.8930, 0.3219,  
0.3317

213.0133, 0.3176,  
0.3305

21.2797, 0.3233,  
0.3321

258.7615, 0.3173,  
0.3304

13.3286, 0.3251,  
0.3326

310.6313, 0.3170,  
0.3303

7.6552, 0.3276,  
0.3333

369.0072, 0.3168,

3.8751, 0.3314,

0.3302

0.3344

434.2735, 0.3166,  
0.3302

■ 1.6040, 0.3379,  
0.3361

■ 0.3603, 0.3926,  
0.3532

■ 83.5491, 0.3194,  
0.3310

■ 83.5491, 0.3194,  
0.3310

■ 71.7848, 0.3379,  
0.3361

■ 96.6491, 0.3048,  
0.3275

■ 61.3781, 0.3604,  
0.3415

■ 97.6254, 0.3048,  
0.3290

■ 52.2833, 0.3874,  
0.3470

■ 44.4478, 0.4195,  
0.3523

■ 37.8154, 0.4566,  
0.3567

■ 32.3256, 0.4974,  
0.3595

■ 27.9127, 0.5394,  
0.3597

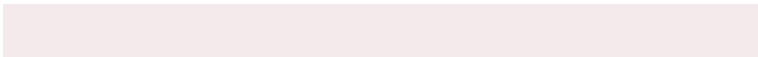
■ 24.5038, 0.5780,  
0.3565

■ 22.0164, 0.6080,  
0.3498

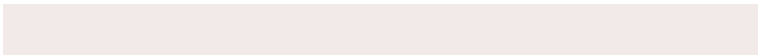
# Harmonies

## Analogous

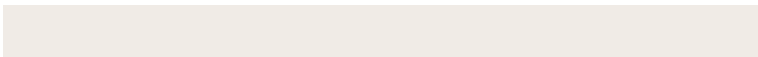
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5491, 0.3177, 0.3279



83.5491, 0.3194, 0.3310



83.5491, 0.3193, 0.3336

# Triad

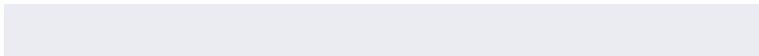
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.5491, 0.3194, 0.3310



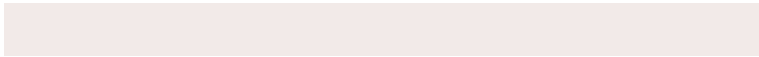
83.5491, 0.3108, 0.3330



83.5491, 0.3080, 0.3231

# Complementary

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



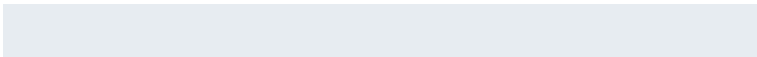
83.5491, 0.3194, 0.3310



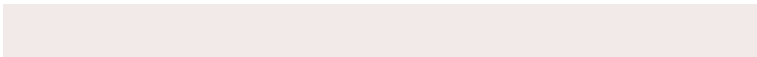
85.9474, 0.3063, 0.3270

# 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.



83.5491, 0.3062, 0.3244



83.5491, 0.3194, 0.3310



83.5491, 0.3078, 0.3301

# Square

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



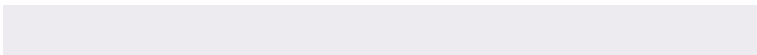
83.5491, 0.3194, 0.3310



83.5491, 0.3144, 0.3348



83.5491, 0.3061, 0.3270



83.5491, 0.3111, 0.3233

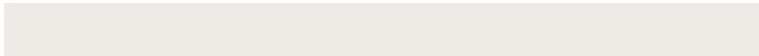


# Rectangle

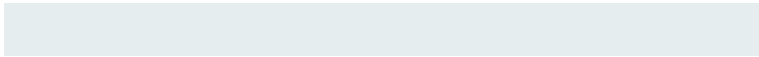
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



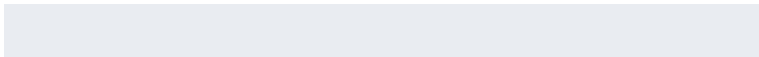
83.5491, 0.3194, 0.3310



83.5491, 0.3183, 0.3347



83.5491, 0.3061, 0.3270



83.5491, 0.3072, 0.3234

# Sweetspot

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



83.5527, 0.3194, 0.3310



98.5348, 0.3143, 0.3295



82.9204, 0.3143, 0.3208



21.1060, 0.3142, 0.3295



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

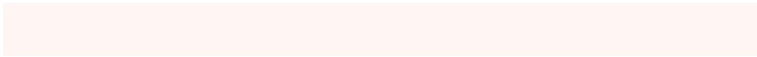


# Same Dimension

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



83.5527, 0.3194, 0.3310



92.8343, 0.3209, 0.3314



86.3732, 0.3190, 0.3359



17.2161, 0.3220, 0.3318



11.3954, 0.6184, 0.3472



1.0821, 0.5943, 0.3663



# Inverse Universe

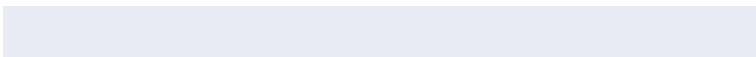
The Inverse Universe completely reimagines the original color for something new.



85.9474, 0.3063, 0.3270



96.0821, 0.3049, 0.3266



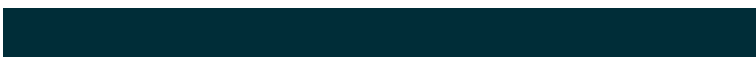
83.1078, 0.3064, 0.3220



17.9024, 0.3039, 0.3262



24.5368, 0.2070, 0.2651

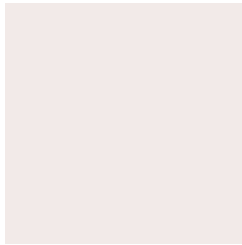


2.1738, 0.2096, 0.2745



# Previews

## White Background



This preview shows how the Yxy color 83.5491, 0.3194, 0.3310 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

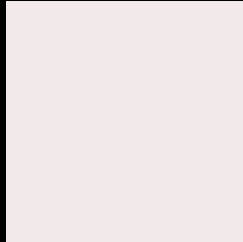
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.5491, 0.3194, 0.3310 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

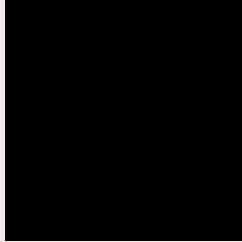
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

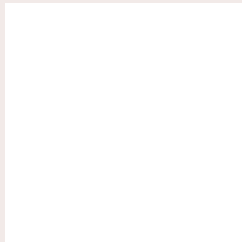
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.5491, 0.3194, 0.3310**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.5491, 0.3194, 0.3310.

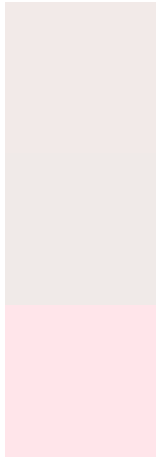


This preview shows how white text looks on a background with the Yxy color 83.5491, 0.3194, 0.3310.

# 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

83.5491, 0.3194, 0.3310

### Protanopia

83.1971, 0.3180, 0.3311

### Deuteranopia

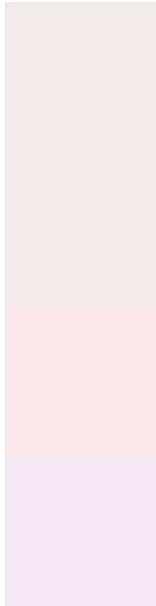
83.2391, 0.3275, 0.3241



## Tritanopia

83.4664, 0.3102, 0.3102

# Trichromacy



## Original Color

83.5491, 0.3194, 0.3310

## Protanomaly

83.3726, 0.3187, 0.3311

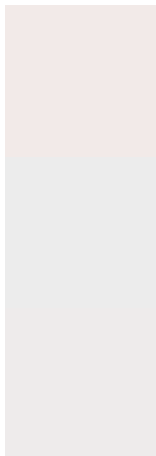
## Deuteranomaly

83.3590, 0.3245, 0.3270

## Tritanomaly

83.4174, 0.3139, 0.3180

# Monochromacy



## Original Color

83.5491, 0.3194, 0.3310

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

83.5920, 0.3147, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.5491, 0.3194, 0.3310 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(242, 234, 232) looks like.

```
.text, #text, p{  
    color:rgb(242, 234, 232)  
}
```

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(242, 234, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 234, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 83.5491, 0.3194, 0.3310 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(242, 234, 232) }
```

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

```
.border{ border-color:rgb(242, 234, 232) }
```

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

Here you see how a box with a 4 pixel rgb(242, 234, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 234, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 234, 232);  
box-shadow:4px 4px 4px 4px rgb(242, 234,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.5491, 0.3194, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 234, 232) }
```

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

```
.background{ background-color: rgb(242,  
234, 232) }
```

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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