

# Converting Colors

$Y_{xy}(87.2203, 0.3236, 0.3380)$

Have a look what the booklet for  
Yxy(87.2203, 0.3236, 0.3380)  
contains.

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# Color

**Yxy(87.2203, 0.3236, 0.3380)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7EFE6
RGB	247, 239, 230
RGB Percent	97%, 94%, 90%
CMY	0.0315, 0.0627, 0.0979
CMYK	0.00, 0.03, 0.07, 0.03
HSL	32°, 51%, 94%
HSV	32°, 7%, 97%
XYZ	83.5044, 87.2203, 87.3235
YIQ	240.3660, 7.6570, -1.1030

# Conversions

## Conversions Part 2

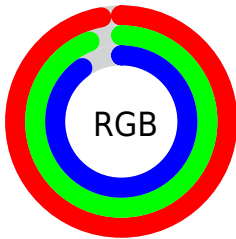
Format	Color
<a href="#">RYB</a>	<a href="#">245, 247, 230</a>
Decimal	<a href="#">16248806</a>
CIELab	<a href="#">94.83, 1.16, 5.27</a>
CIElCh	<a href="#">95, 5.397, 77.614</a>
Yxy	<a href="#">87.2203, 0.3236, 0.3380</a>
Android (android.graphics.Color)	<a href="#">4294438886</a> ( <a href="#">0xFFFF7EFE6</a> )
YUV	<a href="#">240.3660, -5.1104, 5.8180</a>
Hunter-Lab	<a href="#">93.3918, -3.8335, 9.9367</a>

# Details

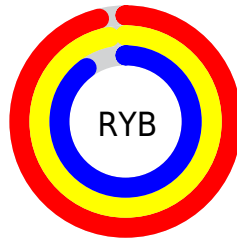
The Yxy color **87.2203, 0.3236, 0.3380** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.6936, 0.3021, 0.3198**, and the grayscale version is **87.4770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0385, 0.3260, 0.3393** is the 20% darker color. If you saturate the color by 10%, you get **79.3494, 0.3413, 0.3518**, and if you desaturate by 10%, it is **95.7324, 0.3081, 0.3250**.

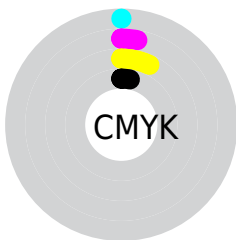
# Distribution



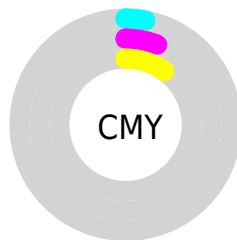
- Red (97%)
- Green (94%)
- Blue (90%)



- Red (96%)
- Yellow (97%)
- Blue (90%)



- Cyan (0%)
- Magenta (3%)
- Yellow (7%)
- Black (3%)




- Cyan (3%)
- Magenta (6%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.2203, 0.3236, 0.3380 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 87.2203, 0.3236, 0.3380 by changing the saturation by 10% instead.




 87.2203, 0.3236,  
0.3380

 87.2203, 0.3236,  
0.3380


518.9465, 0.3187,  
0.3340

 65.6775, 0.3247,  
0.3389


143.4712, 0.3219,  
0.3366

 48.0107, 0.3260,  
0.3400


178.9480, 0.3213,  
0.3361

 33.8353, 0.3277,  
0.3413


219.8384, 0.3207,  
0.3356

 22.7671, 0.3298,  
0.3430

266.5267, 0.3202,  
0.3352

 14.4217, 0.3326,  
0.3453

319.3972, 0.3198,  
0.3349

 8.4145, 0.3365,  
0.3485

378.8344, 0.3194,

 4.3613, 0.3424,

0.3345

445.2227, 0.3190,  
0.3342

0.3532

■ 1.8777, 0.3520,  
0.3608

■ 0.5349, 0.4175,  
0.4161

■ 87.2203, 0.3236,  
0.3380

■ 87.2203, 0.3236,  
0.3380

■ 79.3494, 0.3413,  
0.3518

■ 95.7324, 0.3081,  
0.3250

■ 72.0918, 0.3613,  
0.3661

■ 98.5096, 0.3078,  
0.3290

■ 65.4343, 0.3836,  
0.3804

■ 59.3588, 0.4080,  
0.3942

■ 53.8458, 0.4339,  
0.4064

■ 48.8748, 0.4605,  
0.4159

■ 44.4230, 0.4862,  
0.4212

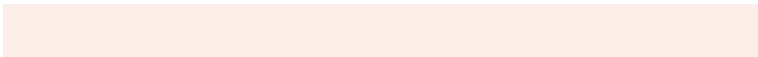
■ 40.4652, 0.5094,  
0.4215

■ 36.9717, 0.5289,  
0.4162

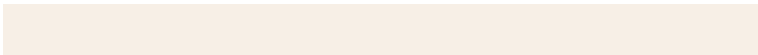
# Harmonies

## Analogous

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



87.2203, 0.3247, 0.3340



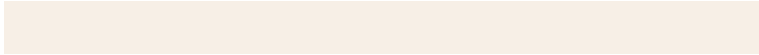
87.2203, 0.3236, 0.3380



87.2203, 0.3196, 0.3397

# Triad

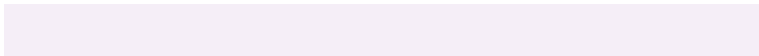
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2203, 0.3236, 0.3380



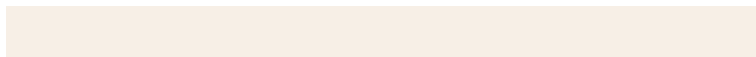
87.2203, 0.3030, 0.3293



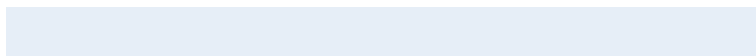
87.2203, 0.3117, 0.3198

# Complementary

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



87.2203, 0.3236, 0.3380



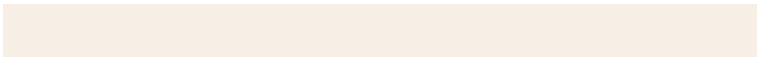
84.6936, 0.3021, 0.3198

# Split Complementary

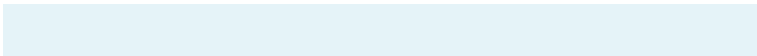
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2203, 0.3059, 0.3185



87.2203, 0.3236, 0.3380



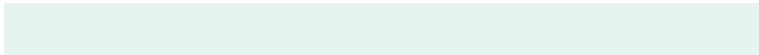
87.2203, 0.3009, 0.3239

# Square

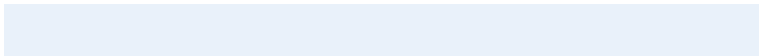
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.2203, 0.3236, 0.3380



87.2203, 0.3076, 0.3346



87.2203, 0.3019, 0.3200

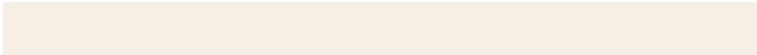


87.2203, 0.3178, 0.3235



# Rectangle

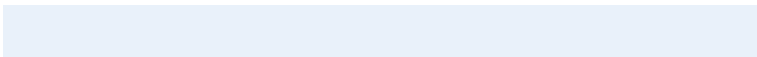
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.2203, 0.3236, 0.3380



87.2203, 0.3158, 0.3392



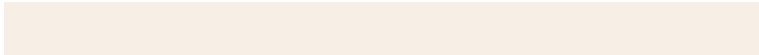
87.2203, 0.3019, 0.3200



87.2203, 0.3096, 0.3191

# Sweetspot

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



87.2241, 0.3236, 0.3380



98.1552, 0.3158, 0.3316



82.5705, 0.3191, 0.3208



21.0287, 0.3156, 0.3315



0.0000, 0.0000, 0.0000

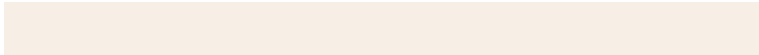


21.4041, 0.3127, 0.3290

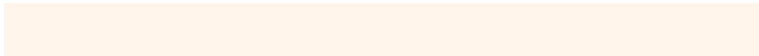


# Same Dimension

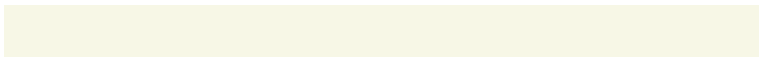
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2241, 0.3236, 0.3380



92.7865, 0.3255, 0.3396



91.9400, 0.3227, 0.3458



17.9360, 0.3280, 0.3415



19.3088, 0.5321, 0.4157

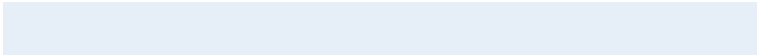


1.9028, 0.5141, 0.4300

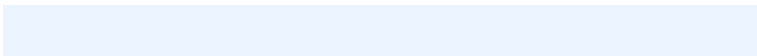


# Inverse Universe

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



84.6936, 0.3021, 0.3198



89.6317, 0.3003, 0.3182



80.2045, 0.3024, 0.3116



17.2117, 0.2980, 0.3161



10.4549, 0.1744, 0.1479

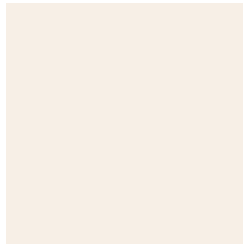


1.1229, 0.1809, 0.1713



# Previews

## White Background



This preview shows how the Yxy color 87.2203, 0.3236, 0.3380 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

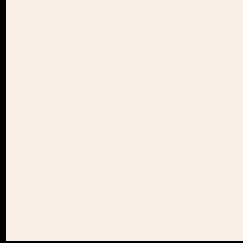
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.2203, 0.3236, 0.3380 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 87.2203, 0.3236, 0.3380**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.2203, 0.3236, 0.3380.

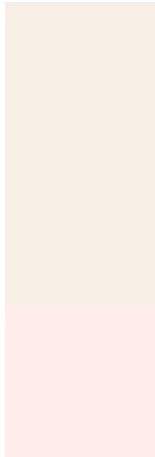


This preview shows how white text looks on a background with the Yxy color 87.2203, 0.3236, 0.3380.

# 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

87.2203, 0.3236, 0.3380

### Protanopia

87.2203, 0.3236, 0.3380

### Deuteranopia

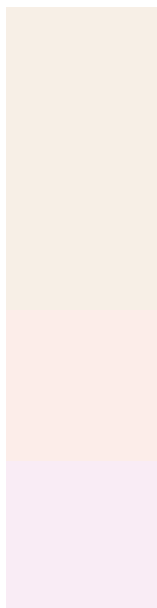
87.2491, 0.3262, 0.3300



## Tritanopia

86.8964, 0.3109, 0.3105

# Trichromacy



## Original Color

87.2203, 0.3236, 0.3380

## Protanomaly

87.2203, 0.3236, 0.3380

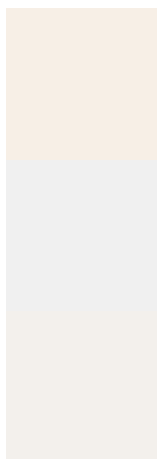
## Deuteranomaly

87.1470, 0.3253, 0.3330

## Tritanomaly

86.7232, 0.3158, 0.3201

# Monochromacy



## Original Color

87.2203, 0.3236, 0.3380

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

87.4310, 0.3171, 0.3330

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.2203, 0.3236, 0.3380 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, 239, 230)` looks like.

```
.text, #text, p{  
    color:rgb(247, 239, 230)  
}
```

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, 239, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 239, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 87.2203, 0.3236, 0.3380 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, 239, 230) }
```

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

```
.border{ border-color:rgb(247, 239, 230) }
```

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

Here you see how a box with a 4 pixel rgb(247, 239, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 239, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 239, 230);  
box-shadow:4px 4px 4px 4px rgb(247, 239,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.2203, 0.3236, 0.3380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 239, 230) }
```

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

```
.background{ background-color: rgb(247,  
239, 230) }
```

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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