

# Converting Colors

$Y_{xy}(87.9915, 0.3317, 0.3410)$

Have a look what the booklet for  
Yxy(87.9915, 0.3317, 0.3410)  
contains.

|                                           |    |
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# Color

**Yxy(87.9001, 0.3317, 0.3409)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | FFEEE2                     |
| RGB         | 255, 238, 226              |
| RGB Percent | 100%, 93%, 89%             |
| CMY         | 0.0002, 0.0666, 0.1137     |
| CMYK        | 0.00, 0.07, 0.11, 0.00     |
| HSL         | 25°, 100%, 94%             |
| HSV         | 25°, 11%, 100%             |
| XYZ         | 85.5279, 87.9001, 84.4192  |
| YIQ         | 241.7150, 13.9840, -0.1280 |

# Conversions

## Conversions Part 2

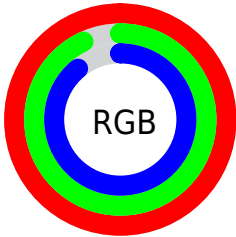
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 255, 246, 226                 |
| Decimal                             | 16772834                      |
| CIE <sub>Lab</sub>                  | 95.12, 3.76, 7.85             |
| CIE <sub>LCh</sub>                  | 95, 8.703, 64.424             |
| Yxy                                 | 87.9001, 0.3317,<br>0.3409    |
| Android<br>(android.graphics.Color) | 4294962914<br>(0xFFFFEEE2)    |
| YUV                                 | 241.7150, -7.7475,<br>11.6509 |
| Hunter-Lab                          | 93.7551, -1.2350,<br>12.2425  |

# Details

The Yxy color **87.9001, 0.3317, 0.3409** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.4498, 0.2950, 0.3168**, and the grayscale version is **88.6083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.4019, 0.3356, 0.3429** is the 20% darker color. If you saturate the color by 10%, you get **78.2792, 0.3513, 0.3520**, and if you desaturate by 10%, it is **98.4561, 0.3148, 0.3304**.

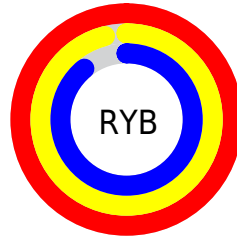
# Distribution



Red (100%)

Green (93%)

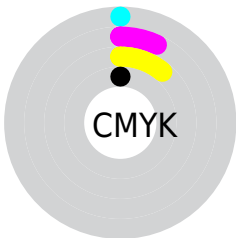
Blue (89%)



Red (100%)

Yellow (96%)

Blue (89%)



Cyan (0%)

Magenta (7%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.9001, 0.3317, 0.3409 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 87.9001, 0.3317, 0.3409 by changing the saturation by 10% instead.



 87.9001, 0.3317,  
0.3409

 87.9001, 0.3317,  
0.3409


521.1760, 0.3232,  
0.3356

 66.2403, 0.3336,  
0.3421


144.4181, 0.3288,  
0.3391

 48.4675, 0.3359,  
0.3434


180.0451, 0.3276,  
0.3384

 34.1973, 0.3388,  
0.3452


221.0966, 0.3267,  
0.3378

 23.0452, 0.3425,  
0.3474

267.9570, 0.3258,  
0.3373

 14.6269, 0.3474,  
0.3503

321.0108, 0.3250,  
0.3368

 8.5579, 0.3542,  
0.3542

380.6423, 0.3243,

 4.4540, 0.3644,

0.3364

0.3600

447.2359, 0.3237,  
0.3360

■ 1.9306, 0.3810,  
0.3690

■ 0.5667, 0.4982,  
0.4479

■ 87.9001, 0.3317,  
0.3409

■ 87.9001, 0.3317,  
0.3409

■ 78.2792, 0.3513,  
0.3520

■ 98.4561, 0.3148,  
0.3304

■ 69.5553, 0.3740,  
0.3635

99.9894, 0.3127,  
0.3290

■ 61.7044, 0.3998,  
0.3748

■ 54.6971, 0.4286,  
0.3852

■ 48.5020, 0.4597,  
0.3937

■ 43.0856, 0.4916,  
0.3989

■ 38.4111, 0.5223,  
0.3995

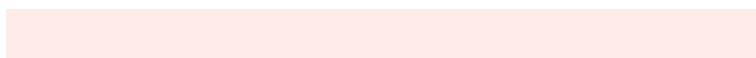
■ 34.4377, 0.5493,  
0.3947

■ 31.5226, 0.5686,  
0.3867

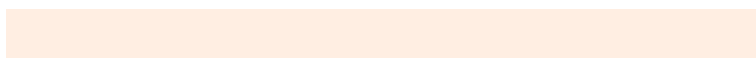
# Harmonies

## Analogous

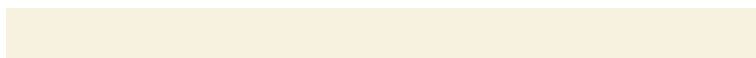
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9001, 0.3312, 0.3332



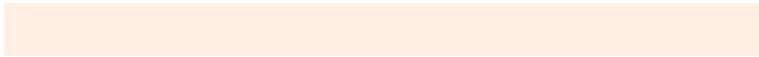
87.9001, 0.3317, 0.3409



87.9001, 0.3271, 0.3455

# Triad

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



87.9001, 0.3317, 0.3409



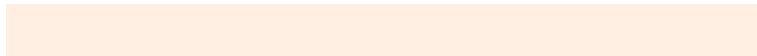
87.9001, 0.2999, 0.3333



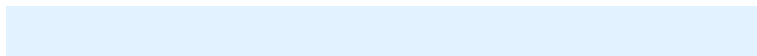
87.9001, 0.3067, 0.3129

# Complementary

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



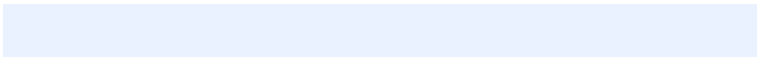
87.9001, 0.3317, 0.3409



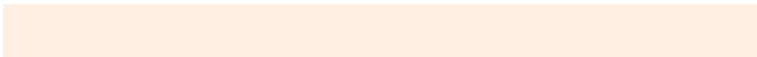
87.4498, 0.2950, 0.3168

# 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.



87.9001, 0.2985, 0.3127



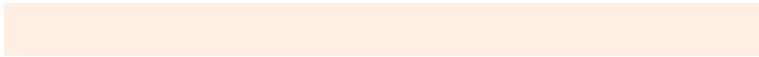
87.9001, 0.3317, 0.3409



87.9001, 0.2946, 0.3243

# Square

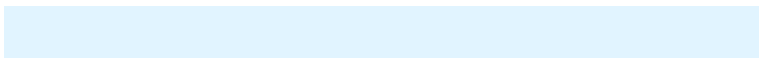
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.9001, 0.3317, 0.3409



87.9001, 0.3086, 0.3412



87.9001, 0.2941, 0.3168

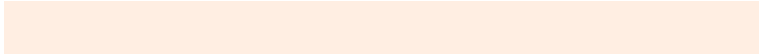


87.9001, 0.3166, 0.3172



# Rectangle

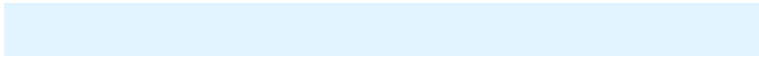
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.9001, 0.3317, 0.3409



87.9001, 0.3217, 0.3462



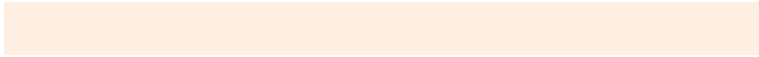
87.9001, 0.2941, 0.3168



87.9001, 0.3036, 0.3123

# Sweetspot

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



87.9040, 0.3317, 0.3409



96.6954, 0.3174, 0.3321



82.1435, 0.3215, 0.3120



20.5108, 0.3187, 0.3329



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

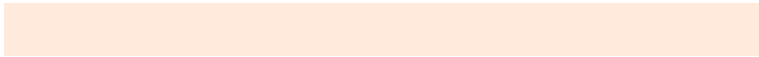


# Same Dimension

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



87.9040, 0.3317, 0.3409



85.3040, 0.3366, 0.3438



96.3942, 0.3300, 0.3544



19.2258, 0.3284, 0.3389



16.7573, 0.5658, 0.3890

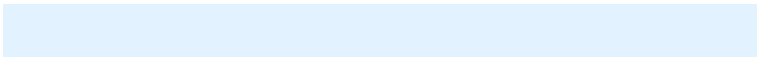


1.8411, 0.5453, 0.4052

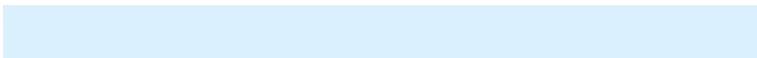


# Inverse Universe

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



87.4498, 0.2950, 0.3168



84.7531, 0.2908, 0.3137



79.3748, 0.2948, 0.3023



19.1433, 0.2979, 0.3189



15.3300, 0.1852, 0.1867

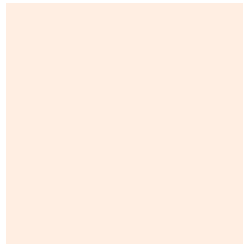


1.7084, 0.1901, 0.2044



# Previews

## White Background



This preview shows how the Yxy color 87.9001, 0.3317, 0.3409 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

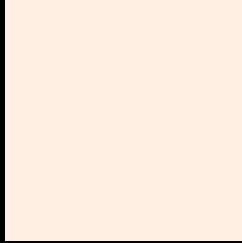
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.9001, 0.3317, 0.3409 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 87.9001, 0.3317, 0.3409**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.9001, 0.3317, 0.3409.

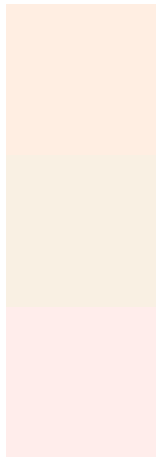


This preview shows how white text looks on a background with the Yxy color 87.9001, 0.3317, 0.3409.

# 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

87.9001, 0.3317, 0.3409

### Protanopia

88.0060, 0.3268, 0.3420

### Deuteranopia

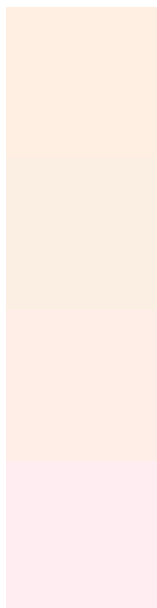
87.8265, 0.3261, 0.3310



## Tritanopia

88.1530, 0.3167, 0.3155

# Trichromacy



## Original Color

87.9001, 0.3317, 0.3409

## Protanomaly

87.7883, 0.3283, 0.3410

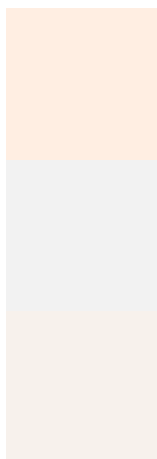
## Deuteranomaly

87.6546, 0.3280, 0.3340

## Tritanomaly

88.1792, 0.3223, 0.3251

# Monochromacy



## Original Color

87.9001, 0.3317, 0.3409

## Achromatopsia

88.7923, 0.3127, 0.3290

## Achromatomaly

88.7409, 0.3197, 0.3340

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.9001, 0.3317, 0.3409 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(255, 238, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 226)  
}
```

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(255, 238, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 87.9001, 0.3317, 0.3409 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(255, 238, 226) }
```

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

```
.border{ border-color:rgb(255, 238, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.9001, 0.3317, 0.3409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 226) }
```

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

```
.background{ background-color: rgb(255,  
238, 226) }
```

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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