

# Converting Colors

$Yxy(88.9108, 0.3287, 0.3439)$

Have a look what the booklet for  
Yxy(88.9108, 0.3287, 0.3439)  
contains.

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# Color

**Yxy(88.9108, 0.3287, 0.3439)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBF1E2
RGB	251, 241, 226
RGB Percent	98%, 95%, 89%
CMY	0.0155, 0.0549, 0.1137
CMYK	0.00, 0.04, 0.10, 0.02
HSL	36°, 76%, 94%
HSV	36°, 10%, 98%
XYZ	84.9810, 88.9108, 84.6449
YIQ	242.2800, 10.7750, -2.5450

# Conversions

## Conversions Part 2

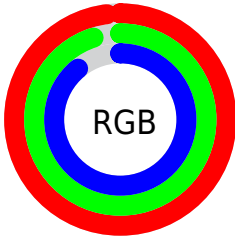
Format	Color
<b>R<sub>YB</sub></b>	243, 251, 226
Decimal	16511458
CIE Lab	95.54, 0.90, 8.42
CIE LCh	96, 8.465, 83.916
Yxy	88.9108, 0.3287, 0.3439
Android (android.graphics.Color)	4294701538 (0xFFFBF1E2)
YUV	242.2800, -8.0260, 7.6474
Hunter-Lab	94.2925, -4.1390, 12.7810

# Details

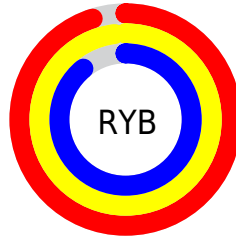
The Yxy color **88.9108, 0.3287, 0.3439** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.1749, 0.2972, 0.3136**, and the grayscale version is **89.0927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.1075, 0.3316, 0.3468** is the 20% darker color. If you saturate the color by 10%, you get **81.8274, 0.3467, 0.3596**, and if you desaturate by 10%, it is **96.5347, 0.3127, 0.3290**.

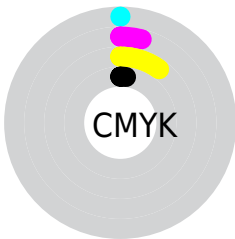
# Distribution



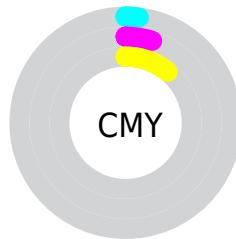
- Red (98%)
- Green (95%)
- Blue (89%)



- Red (95%)
- Yellow (98%)
- Blue (89%)



- Cyan (0%)
- Magenta (4%)
- Yellow (10%)
- Black (2%)




- Cyan (2%)
- Magenta (5%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.9108, 0.3287, 0.3439 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 88.9108, 0.3287, 0.3439 by changing the saturation by 10% instead.



 88.9108, 0.3287,  
0.3439

 88.9108, 0.3287,  
0.3439

524.4813, 0.3216,  
0.3373

 67.0776, 0.3303,  
0.3454


145.8245, 0.3263,  
0.3416

 49.1477, 0.3322,  
0.3471


181.6739, 0.3253,  
0.3408

 34.7367, 0.3346,  
0.3493


222.9640, 0.3245,  
0.3400

 23.4601, 0.3377,  
0.3522

270.0794, 0.3237,  
0.3393

 14.9336, 0.3417,  
0.3559

323.4045, 0.3231,  
0.3387

 8.7728, 0.3473,  
0.3610

383.3235, 0.3225,

 4.5933, 0.3556,

0.3382

0.3686

450.2210, 0.3220,  
0.3377

■ 2.0107, 0.3690,  
0.3807

■ 0.6137, 0.4661,  
0.4726

■ 88.9108, 0.3287,  
0.3439

■ 88.9108, 0.3287,  
0.3439

■ 81.8274, 0.3467,  
0.3596

■ 96.5347, 0.3127,  
0.3290

■ 75.2586, 0.3666,  
0.3757

■ 99.2584, 0.3103,  
0.3290

■ 69.1936, 0.3882,  
0.3916

■ 63.6167, 0.4113,  
0.4066

■ 58.5109, 0.4350,  
0.4196

■ 53.8581, 0.4583,  
0.4293

■ 49.6378, 0.4801,  
0.4346

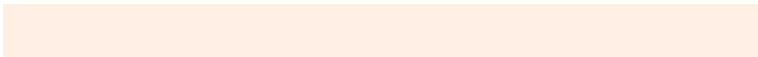
■ 45.8268, 0.4989,  
0.4347

■ 42.3910, 0.5144,  
0.4298

# Harmonies

## Analogous

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



88.9108, 0.3315, 0.3382



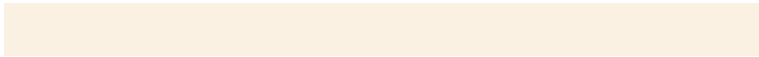
88.9108, 0.3287, 0.3439



88.9108, 0.3216, 0.3457

# Triad

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



88.9108, 0.3287, 0.3439



88.9108, 0.2965, 0.3275



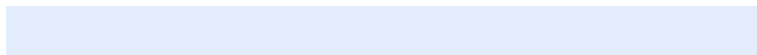
88.9108, 0.3131, 0.3157

# Complementary

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



88.9108, 0.3287, 0.3439



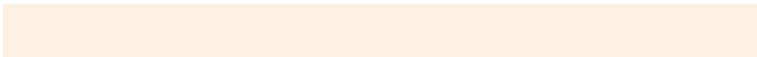
83.1749, 0.2972, 0.3136

# Split Complementary

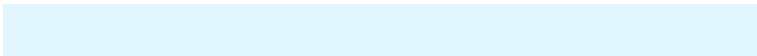
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.9108, 0.3038, 0.3128



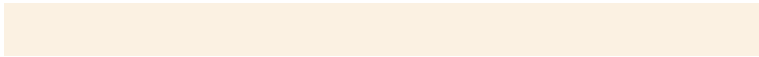
88.9108, 0.3287, 0.3439



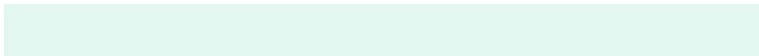
88.9108, 0.2943, 0.3194

# Square

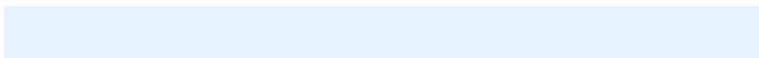
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.9108, 0.3287, 0.3439



88.9108, 0.3030, 0.3361



88.9108, 0.2969, 0.3141



88.9108, 0.3224, 0.3220



# Rectangle

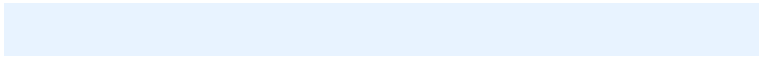
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.9108, 0.3287, 0.3439



88.9108, 0.3154, 0.3443



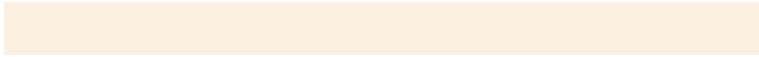
88.9108, 0.2969, 0.3141



88.9108, 0.3098, 0.3143

# Sweetspot

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



88.9147, 0.3287, 0.3439



97.5711, 0.3173, 0.3334



81.0025, 0.3234, 0.3186



20.7471, 0.3186, 0.3346



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

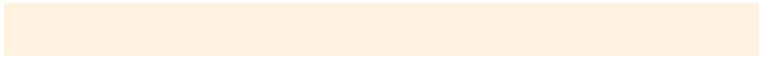


# Same Dimension

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



88.9147, 0.3287, 0.3439



90.5868, 0.3322, 0.3471



94.6503, 0.3262, 0.3537



18.9520, 0.3279, 0.3432



22.5607, 0.5124, 0.4313

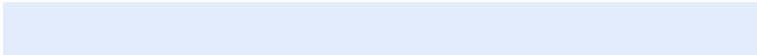


2.2971, 0.4983, 0.4426

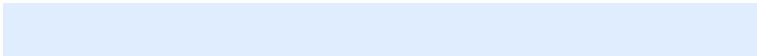


# Inverse Universe

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



83.1749, 0.2972, 0.3136



83.5246, 0.2939, 0.3103



77.8809, 0.2984, 0.3032



17.7880, 0.2979, 0.3144



8.8072, 0.1685, 0.1266

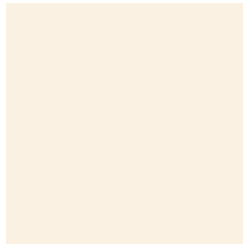


1.0172, 0.1750, 0.1500



# Previews

## White Background



This preview shows how the Yxy color 88.9108, 0.3287, 0.3439 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

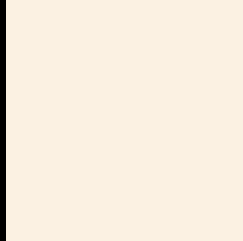
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.9108, 0.3287, 0.3439 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

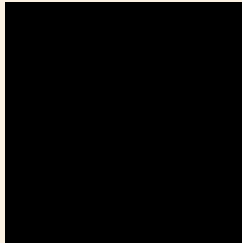
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 88.9108, 0.3287, 0.3439**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.9108, 0.3287, 0.3439.

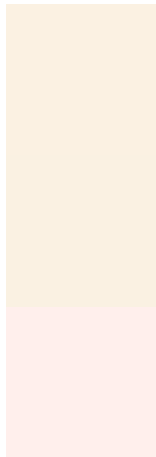


This preview shows how white text looks on a background with the Yxy color 88.9108, 0.3287, 0.3439.

# 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

88.9108, 0.3287, 0.3439

### Protanopia

88.7256, 0.3280, 0.3440

### Deuteranopia

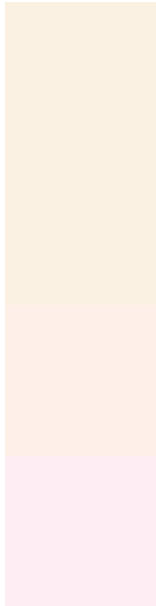
89.0491, 0.3253, 0.3320



## Tritanopia

89.0484, 0.3135, 0.3117

# Trichromacy



## Original Color

88.9108, 0.3287, 0.3439

## Protanomaly

88.7256, 0.3280, 0.3440

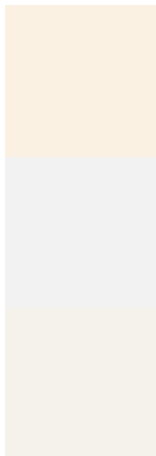
## Deuteranomaly

89.2172, 0.3270, 0.3369

## Tritanomaly

88.7516, 0.3196, 0.3232

# Monochromacy



## Original Color

88.9108, 0.3287, 0.3439

## Achromatopsia

88.7923, 0.3127, 0.3290

## Achromatomaly

88.9729, 0.3183, 0.3350

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.9108, 0.3287, 0.3439 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(251, 241, 226)` looks like.

```
.text, #text, p{  
    color:rgb(251, 241, 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(251, 241, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 241, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 88.9108, 0.3287, 0.3439 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(251, 241, 226) }
```

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

```
.border{ border-color:rgb(251, 241, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 241, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 241, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 241, 226);  
box-shadow:4px 4px 4px 4px rgb(251, 241,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.9108, 0.3287, 0.3439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 241, 226) }
```

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

```
.background{ background-color: rgb(251,  
241, 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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