

# Converting Colors

Yxy(88.8011, 0.3181, 0.3341)

Have a look what the booklet for  
Yxy(88.8011, 0.3181, 0.3341)  
contains.

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# Color

**Yxy(89.0312, 0.3177, 0.3340)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5F2ED
RGB	245, 242, 237
RGB Percent	96%, 95%, 93%
CMY	0.0393, 0.0509, 0.0706
CMYK	0.00, 0.01, 0.03, 0.04
HSL	38°, 28%, 95%
HSV	38°, 3%, 96%
XYZ	84.6863, 89.0312, 92.8430
YIQ	242.3270, 3.3930, -0.9190

# Conversions

## Conversions Part 2

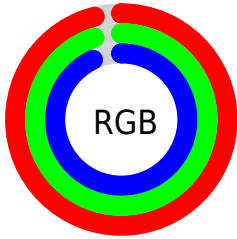
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 245, 237
Decimal	16118509
CIE Lab	95.59, 0.12, 2.75
CIE LCh	96, 2.752, 87.445
Yxy	89.0312, 0.3177, 0.3340
Android (android.graphics.Color)	4294308589 (0xFFFF5F2ED)
YUV	242.3270, -2.6262, 2.3442
Hunter-Lab	94.3563, -4.9171, 7.7104

# Details

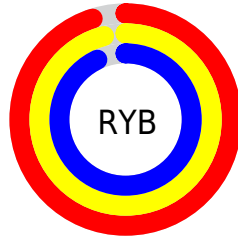
The Yxy color **89.0312, 0.3177, 0.3340** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.8906, 0.3078, 0.3239**, and the grayscale version is **89.0842, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.2728, 0.3191, 0.3354** is the 20% darker color. If you saturate the color by 10%, you get **82.4253, 0.3342, 0.3500**, and if you desaturate by 10%, it is **95.6832, 0.3066, 0.3252**.

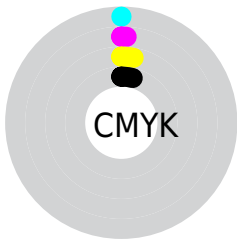
# Distribution



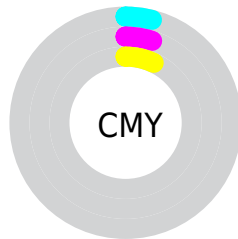
- Red (96%)
- Green (95%)
- Blue (93%)



- Red (95%)
- Yellow (96%)
- Blue (93%)



- Cyan (0%)
- Magenta (1%)
- Yellow (3%)
- Black (4%)




- Cyan (4%)
- Magenta (5%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.0312, 0.3177, 0.3340 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 89.0312, 0.3177, 0.3340 by changing the saturation by 10% instead.




 89.0312, 0.3177,  
0.3340

 89.0312, 0.3177,  
0.3340


524.8743, 0.3155,  
0.3318

 67.1774, 0.3182,  
0.3345


145.9920, 0.3169,  
0.3332

 49.2288, 0.3188,  
0.3351


181.8677, 0.3166,  
0.3329

 34.8010, 0.3195,  
0.3358


223.1862, 0.3164,  
0.3327

 23.5096, 0.3205,  
0.3368

270.3319, 0.3162,  
0.3325

 14.9703, 0.3217,  
0.3380

323.6892, 0.3160,  
0.3323

 8.7985, 0.3235,  
0.3398

383.6424, 0.3158,

 4.6100, 0.3261,

0.3321

450.5760, 0.3156,  
0.3319

0.3424

2.0203, 0.3303,  
0.3466

0.6192, 0.3495,  
0.3658

89.0312, 0.3177,  
0.3340

89.0312, 0.3177,  
0.3340

82.4253, 0.3342,  
0.3500

95.6832, 0.3066,  
0.3252

76.2681, 0.3525,  
0.3666

98.1470, 0.3066,  
0.3290

70.5510, 0.3725,  
0.3834

65.2609, 0.3940,  
0.3999

■ 60.3839, 0.4164,  
0.4150

■ 55.9049, 0.4389,  
0.4277

■ 51.8073, 0.4604,  
0.4367

■ 48.0727, 0.4798,  
0.4411

■ 44.6793, 0.4961,  
0.4401

# Harmonies

## Analogous

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



89.0312, 0.3188, 0.3323



89.0312, 0.3177, 0.3340



89.0312, 0.3153, 0.3344

# Triad

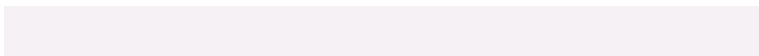
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.0312, 0.3177, 0.3340



89.0312, 0.3073, 0.3282



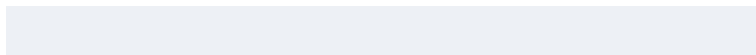
89.0312, 0.3132, 0.3248

# Complementary

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



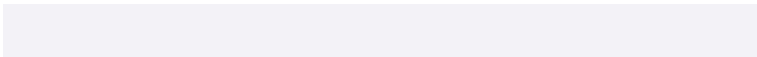
89.0312, 0.3177, 0.3340



86.8906, 0.3078, 0.3239

# 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.



89.0312, 0.3102, 0.3237



89.0312, 0.3177, 0.3340



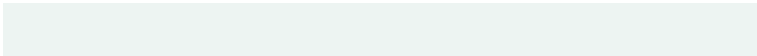
89.0312, 0.3067, 0.3257

# Square

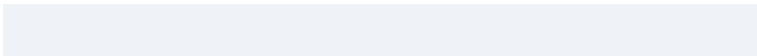
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



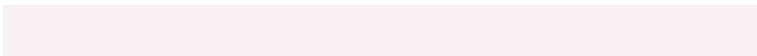
89.0312, 0.3177, 0.3340



89.0312, 0.3093, 0.3310



89.0312, 0.3078, 0.3241

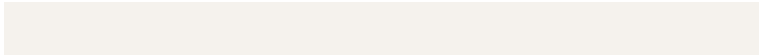


89.0312, 0.3162, 0.3270



# Rectangle

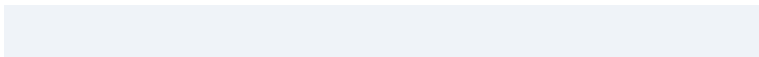
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



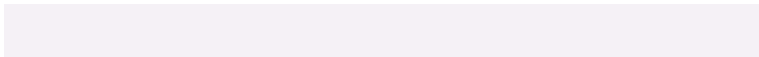
89.0312, 0.3177, 0.3340



89.0312, 0.3132, 0.3338



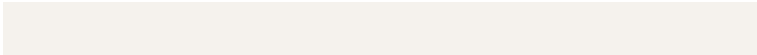
89.0312, 0.3078, 0.3241



89.0312, 0.3122, 0.3243

# Sweetspot

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



89.0351, 0.3177, 0.3340



99.2350, 0.3142, 0.3305



86.2717, 0.3161, 0.3260



21.2485, 0.3142, 0.3305



0.0000, 0.0000, 0.0000

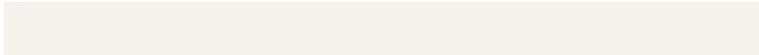


21.4041, 0.3127, 0.3290

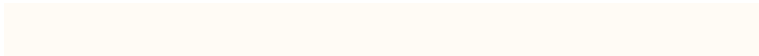


# Same Dimension

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



89.0351, 0.3177, 0.3340



96.9709, 0.3189, 0.3352



90.6412, 0.3169, 0.3369



18.8987, 0.3200, 0.3363



23.2097, 0.5036, 0.4384

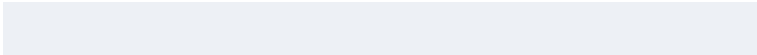


2.2362, 0.4902, 0.4490

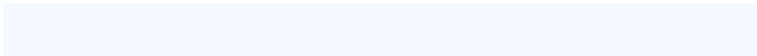


# Inverse Universe

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



86.8906, 0.3078, 0.3239



94.0899, 0.3066, 0.3227



85.3262, 0.3085, 0.3210



18.2339, 0.3055, 0.3216



7.8108, 0.1661, 0.1178

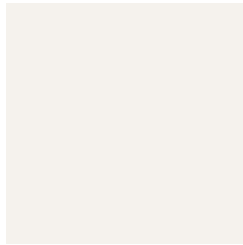


0.8764, 0.1730, 0.1427



# Previews

## White Background



This preview shows how the Yxy color 89.0312, 0.3177, 0.3340 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

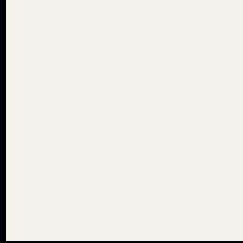
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.0312, 0.3177, 0.3340 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

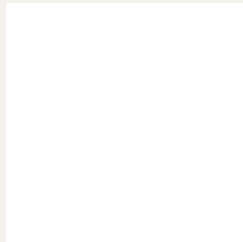
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.0312, 0.3177, 0.3340**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.0312, 0.3177, 0.3340.

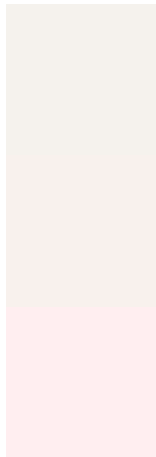


This preview shows how white text looks on a background with the Yxy color 89.0312, 0.3177, 0.3340.

# 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

89.0312, 0.3177, 0.3340

### Protanopia

88.9815, 0.3198, 0.3330

### Deuteranopia

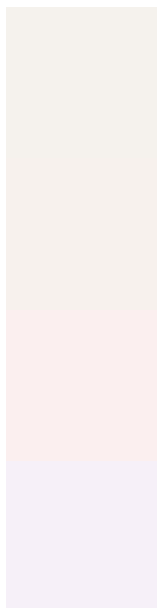
88.7003, 0.3228, 0.3271



## Tritanopia

88.7272, 0.3082, 0.3134

# Trichromacy



## Original Color

89.0312, 0.3177, 0.3340

## Protanomaly

88.7992, 0.3191, 0.3330

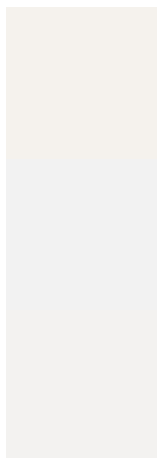
## Deuteranomaly

88.4742, 0.3207, 0.3290

## Tritanomaly

88.6903, 0.3118, 0.3211

# Monochromacy



## Original Color

89.0312, 0.3177, 0.3340

## Achromatopsia

88.7923, 0.3127, 0.3290

## Achromatomaly

88.8502, 0.3146, 0.3310

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.0312, 0.3177, 0.3340 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(245, 242, 237) looks like.

```
.text, #text, p{  
    color:rgb(245, 242, 237)  
}
```

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(245, 242, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 242, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 89.0312, 0.3177, 0.3340 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(245, 242, 237) }
```

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

```
.border{ border-color:rgb(245, 242, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 242, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 242, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 242, 237);  
box-shadow:4px 4px 4px 4px rgb(245, 242,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.0312, 0.3177, 0.3340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 242, 237) }
```

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

```
.background{ background-color: rgb(245,  
242, 237) }
```

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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