

# Converting Colors

$Yxy(89.5895, 0.3148, 0.3299)$

Have a look what the booklet for  
Yxy(89.5895, 0.3148, 0.3299)  
contains.

<b>Yxy(89.9245, 0.3146, 0.3300)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Yxy(89.9245, 0.3146, 0.3300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5F3F2
RGB	245, 243, 242
RGB Percent	96%, 95%, 95%
CMY	0.0393, 0.0470, 0.0510
CMYK	0.00, 0.01, 0.01, 0.04
HSL	20°, 13%, 95%
HSV	20°, 1%, 96%
XYZ	85.7280, 89.9245, 96.8460
YIQ	243.4840, 1.5130, 0.1130

# Conversions

## Conversions Part 2

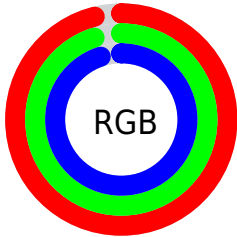
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">245, 244, 242</a>
Decimal	<a href="#">16118770</a>
CIELab	<a href="#">95.97, 0.48, 0.70</a>
CIElCh	<a href="#">96, 0.854, 55.464</a>
Yxy	<a href="#">89.9245, 0.3146, 0.3300</a>
Android (android.graphics.Color)	<a href="#">4294308850</a> ( <a href="#">0xFFFF5F3F2</a> )
YUV	<a href="#">243.4840, -0.7316, 1.3295</a>
Hunter-Lab	<a href="#">94.8285, -4.5802, 5.8286</a>

# Details

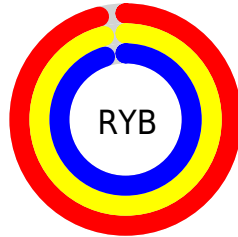
The Yxy color 89.9245, 0.3146, 0.3300 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.1527, 0.3108, 0.3280, and the grayscale version is 90.0387, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 49.9046, 0.3151, 0.3303 is the 20% darker color. If you saturate the color by 10%, you get 79.2839, 0.3317, 0.3386, and if you desaturate by 10%, it is 98.1484, 0.3066, 0.3290.

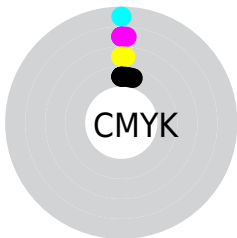
# Distribution



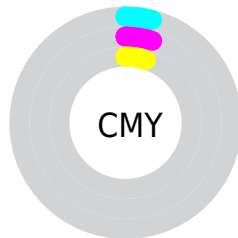
- Red (96%)
- Green (95%)
- Blue (95%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.9245, 0.3146, 0.3300 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 89.9245, 0.3146, 0.3300 by changing the saturation by 10% instead.



89.9245, 0.3146,  
0.3300

89.9245, 0.3146,  
0.3300

527.7852, 0.3138,  
0.3296

67.9180, 0.3148,  
0.3301

147.2335, 0.3143,  
0.3299

49.8310, 0.3150,  
0.3302

183.3048, 0.3142,  
0.3298

35.2792, 0.3153,  
0.3304

224.8333, 0.3141,  
0.3297

23.8780, 0.3156,  
0.3305

272.2031, 0.3140,  
0.3297

15.2431, 0.3161,  
0.3308

325.7989, 0.3139,  
0.3297

8.9902, 0.3168,  
0.3311

386.0049, 0.3139,

4.7348, 0.3177,

0.3296

0.3316

453.2055, 0.3138,  
0.3296

■ 2.0925, 0.3193,  
0.3324

■ 0.6604, 0.3247,  
0.3353

■ 89.9245, 0.3146,  
0.3300

■ 89.9245, 0.3146,  
0.3300

■ 79.2839, 0.3317,  
0.3386

■ 98.1484, 0.3066,  
0.3290

■ 69.6617, 0.3518,  
0.3477

■ 61.0307, 0.3754,  
0.3572

■ 53.3580, 0.4028,  
0.3664

■ 46.6090, 0.4339,  
0.3749

■ 40.7467, 0.4680,  
0.3816

■ 35.7313, 0.5036,  
0.3852

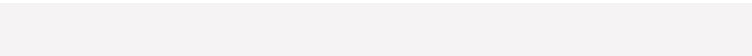
■ 31.5197, 0.5380,  
0.3845

■ 28.0638, 0.5681,  
0.3788

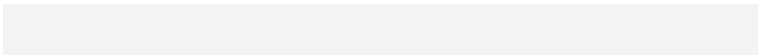
# Harmonies

## Analogous

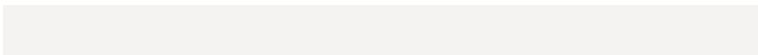
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9245, 0.3144, 0.3292



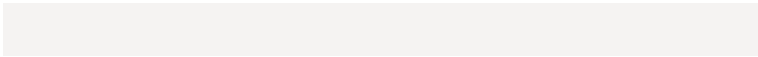
89.9245, 0.3146, 0.3300



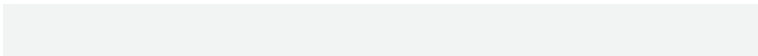
89.9245, 0.3143, 0.3305

# Triad

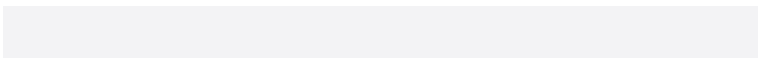
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.9245, 0.3146, 0.3300



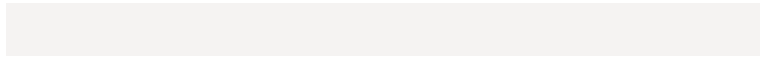
89.9245, 0.3117, 0.3297



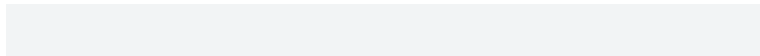
89.9245, 0.3119, 0.3274

# Complementary

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



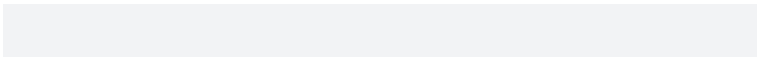
89.9245, 0.3146, 0.3300



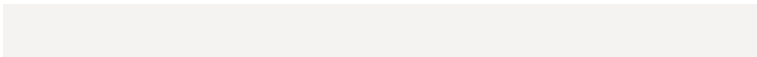
90.1527, 0.3108, 0.3280

# Split Complementary

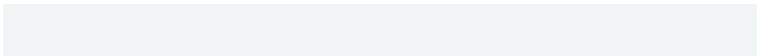
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.9245, 0.3112, 0.3275



89.9245, 0.3146, 0.3300



89.9245, 0.3111, 0.3288

# Square

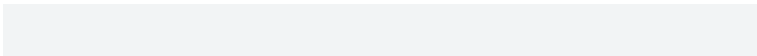
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



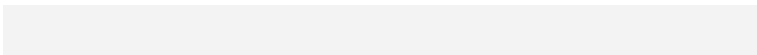
89.9245, 0.3146, 0.3300



89.9245, 0.3126, 0.3304



89.9245, 0.3109, 0.3280

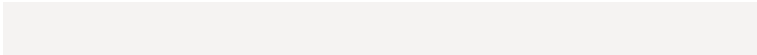


89.9245, 0.3128, 0.3277

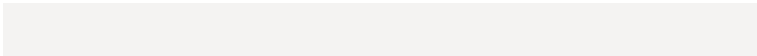


# Rectangle

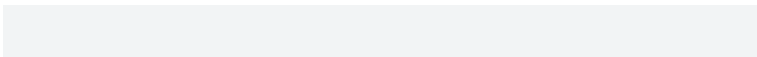
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



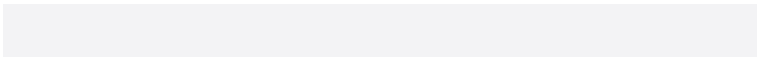
89.9245, 0.3146, 0.3300



89.9245, 0.3139, 0.3307



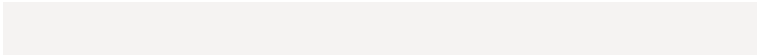
89.9245, 0.3109, 0.3280



89.9245, 0.3116, 0.3274

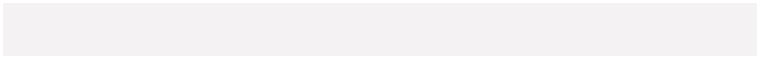
# Sweetspot

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



89.9284, 0.3146, 0.3300

100.0000, 0.3127, 0.3290



89.4466, 0.3135, 0.3270



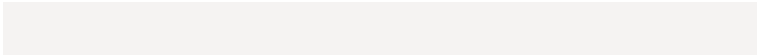
21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

# Same Dimension

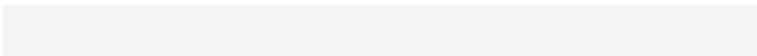
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.9284, 0.3146, 0.3300



98.7661, 0.3143, 0.3298



90.8115, 0.3145, 0.3315



19.3704, 0.3142, 0.3298



14.0239, 0.5864, 0.3726

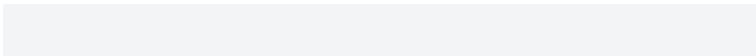


1.4153, 0.5622, 0.3918



# Inverse Universe

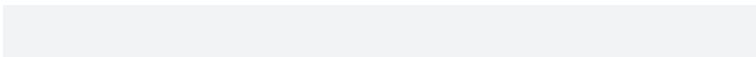
The Inverse Universe completely reimagines the original color for something new.



90.1527, 0.3108, 0.3280



98.9693, 0.3112, 0.3282



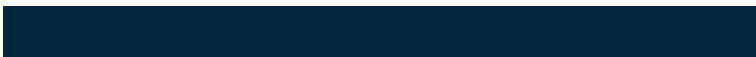
89.2720, 0.3109, 0.3265



19.4082, 0.3113, 0.3282



17.7300, 0.1928, 0.2141

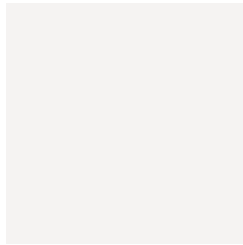


1.7481, 0.1973, 0.2302



# Previews

## White Background



This preview shows how the Yxy color 89.9245, 0.3146, 0.3300 looks on a white background.

## Color Contrast Check

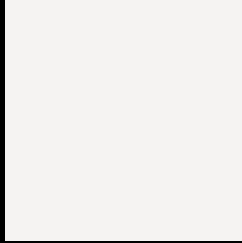
Large Text (above 18pt) WCAG AA × Fail

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 89.9245, 0.3146, 0.3300 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

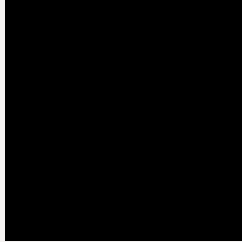
Any Text WCAG AAA ✓ Pass

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

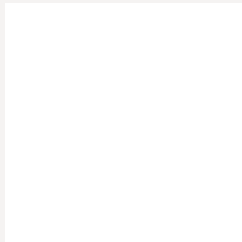


**Yxy 89.9245, 0.3146, 0.3300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.9245, 0.3146, 0.3300.

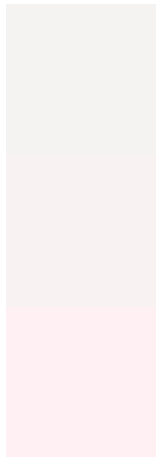


This preview shows how white text looks on a background with the Yxy color 89.9245, 0.3146, 0.3300.

# 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

89.9245, 0.3146, 0.3300

### Protanopia

89.8715, 0.3166, 0.3290

### Deuteranopia

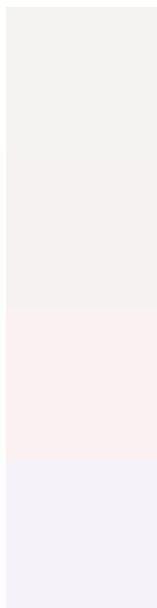
90.0512, 0.3208, 0.3261



## Tritanopia

89.7234, 0.3075, 0.3153

# Trichromacy



## Original Color

89.9245, 0.3146, 0.3300

## Protanomaly

89.6892, 0.3160, 0.3290

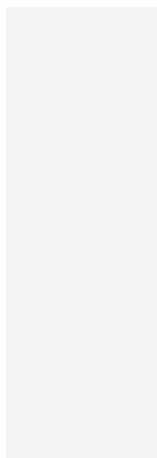
## Deuteranomaly

89.8909, 0.3181, 0.3271

## Tritanomaly

89.9992, 0.3105, 0.3211

# Monochromacy



## Original Color

89.9245, 0.3146, 0.3300

## Achromatopsia

89.6269, 0.3127, 0.3290

## Achromatomaly

89.8053, 0.3134, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.9245, 0.3146, 0.3300 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, 243, 242) looks like.

```
.text, #text, p{  
    color:rgb(245, 243, 242)  
}
```

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, 243, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 243, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 89.9245, 0.3146, 0.3300 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, 243, 242) }
```

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

```
.border{ border-color:rgb(245, 243, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 243, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 243, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 243, 242);  
box-shadow:4px 4px 4px 4px rgb(245, 243,  
242) }
```

# Background

The CSS property to change the background color of an element to Yxy 89.9245, 0.3146, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 243, 242) }
```

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

```
.background{ background-color: rgb(245,  
243, 242) }
```

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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