

# Converting Colors

$Yxy(89.8469, 0.3199, 0.3418)$

Have a look what the booklet for  
Yxy(89.8469, 0.3199, 0.3418)  
contains.

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# Color

**Yxy(89.7607, 0.3200, 0.3410)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4F4E8
RGB	244, 244, 232
RGB Percent	96%, 96%, 91%
CMY	0.0430, 0.0432, 0.0902
CMYK	0.00, 0.00, 0.05, 0.04
HSL	60°, 35%, 93%
HSV	60°, 5%, 96%
XYZ	84.2329, 89.7607, 89.2342
YIQ	242.6320, 3.8520, -3.7320

# Conversions

## Conversions Part 2

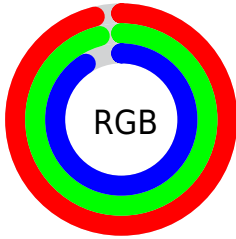
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 244, 232
Decimal	16053480
CIE Lab	95.90, -2.05, 5.76
CIE LCh	96, 6.116, 109.559
Yxy	89.7607, 0.3200, 0.3410
Android (android.graphics.Color)	4294243560 (0xFFFF4F4E8)
YUV	242.6320, -5.2416, 1.1997
Hunter-Lab	94.7421, -7.0987, 10.4763

# Details

The Yxy color **89.7607, 0.3200, 0.3410** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.4281, 0.3053, 0.3167**, and the grayscale version is **89.3662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7924, 0.3220, 0.3444** is the 20% darker color. If you saturate the color by 10%, you get **88.4294, 0.3352, 0.3660**, and if you desaturate by 10%, it is **91.2012, 0.3062, 0.3183**.

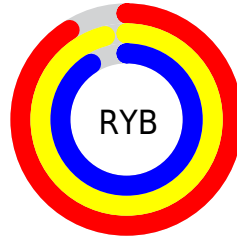
# Distribution



Red (96%)

Green (96%)

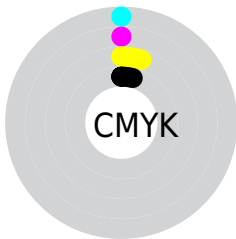
Blue (91%)



Red (91%)

Yellow (96%)

Blue (91%)

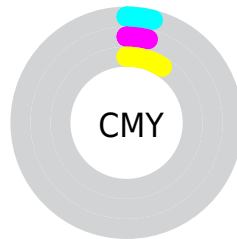


Cyan (0%)

Magenta (0%)

Yellow (5%)

Black (4%)



Cyan (4%)

Magenta (4%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.7607, 0.3200, 0.3410 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 89.7607, 0.3200, 0.3410 by changing the saturation by 10% instead.



 89.7607, 0.3200,  
0.3410

 89.7607, 0.3200,  
0.3410


527.2521, 0.3168,  
0.3356

 67.7822, 0.3207,  
0.3422


147.0060, 0.3189,  
0.3392

 49.7206, 0.3216,  
0.3436


183.0415, 0.3185,  
0.3385

 35.1914, 0.3226,  
0.3454


224.5315, 0.3181,  
0.3378

 23.8104, 0.3240,  
0.3477

271.8603, 0.3178,  
0.3373

 15.1930, 0.3258,  
0.3508

325.4124, 0.3175,  
0.3368

 8.9550, 0.3283,  
0.3551

385.5721, 0.3172,

 4.7118, 0.3320,

0.3364

0.3614

452.7239, 0.3170,  
0.3360

■ 2.0792, 0.3378,  
0.3718

■ 0.6529, 0.3726,  
0.4263

■ 89.7607, 0.3200,  
0.3410

■ 89.7607, 0.3200,  
0.3410

■ 88.4294, 0.3352,  
0.3660

■ 91.2012, 0.3062,  
0.3183

■ 87.2789, 0.3505,  
0.3912

■ 91.2444, 0.3062,  
0.3184

■ 86.3046, 0.3655,  
0.4159

■ 91.2877, 0.3062,  
0.3184


■ 85.4975, 0.3796,  
0.4391

■ 91.3309, 0.3062,  
0.3185


 84.8477, 0.3922,  
0.4598

 91.3742, 0.3062,  
0.3186

 84.3443, 0.4027,  
0.4771

 91.4175, 0.3062,  
0.3187

 83.9748, 0.4108,  
0.4903

 91.4608, 0.3062,  
0.3187

 83.7250, 0.4162,  
0.4991

 91.5042, 0.3062,  
0.3188

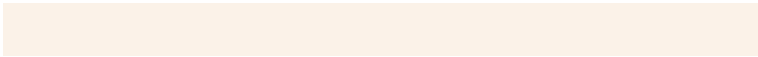
 83.5773, 0.4191,  
0.5036

 91.5475, 0.3062,  
0.3189

# Harmonies

## Analogous

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



89.7607, 0.3247, 0.3393



89.7607, 0.3200, 0.3410



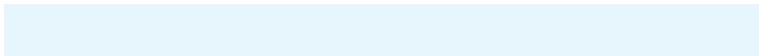
89.7607, 0.3134, 0.3394

# Triad

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



89.7607, 0.3200, 0.3410



89.7607, 0.2994, 0.3229



89.7607, 0.3188, 0.3232

# Complementary

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



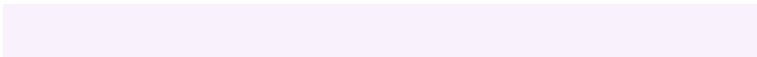
89.7607, 0.3200, 0.3410



81.4281, 0.3053, 0.3167

# Split Complementary

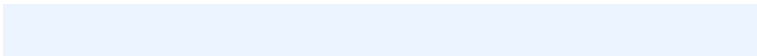
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.7607, 0.3120, 0.3189



89.7607, 0.3200, 0.3410



89.7607, 0.3008, 0.3187

# Square

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



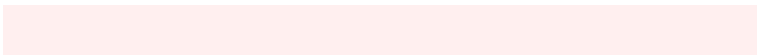
89.7607, 0.3200, 0.3410



89.7607, 0.3015, 0.3289



89.7607, 0.3054, 0.3173



89.7607, 0.3241, 0.3290

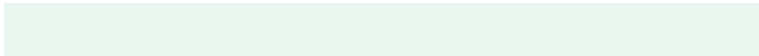


# Rectangle

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



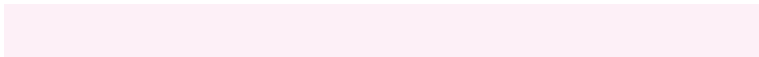
89.7607, 0.3200, 0.3410



89.7607, 0.3087, 0.3367



89.7607, 0.3054, 0.3173



89.7607, 0.3166, 0.3215

# Sweetspot

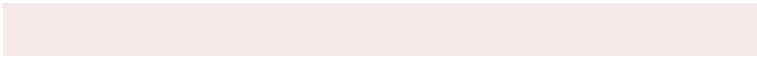
The Sweet Spot groups the original color and five complimentary colors.



89.7646, 0.3200, 0.3410



99.8321, 0.3142, 0.3314



82.7943, 0.3208, 0.3288



21.3699, 0.3141, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

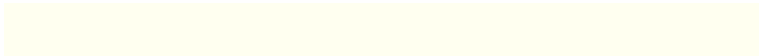


# Same Dimension

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



89.7646, 0.3200, 0.3410



99.0247, 0.3216, 0.3437



88.7624, 0.3162, 0.3412



19.3892, 0.3226, 0.3452



45.4084, 0.4198, 0.5049



3.9936, 0.4198, 0.5049



# Inverse Universe

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



81.4281, 0.3053, 0.3167



87.8629, 0.3035, 0.3139



82.3969, 0.3091, 0.3168



16.9837, 0.3025, 0.3122



3.5634, 0.1501, 0.0602

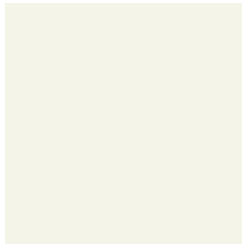


0.3159, 0.1502, 0.0607



# Previews

## White Background



This preview shows how the Yxy color 89.7607, 0.3200, 0.3410 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

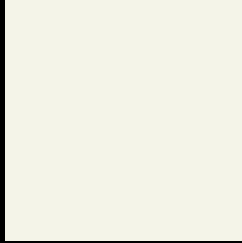
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.7607, 0.3200, 0.3410 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

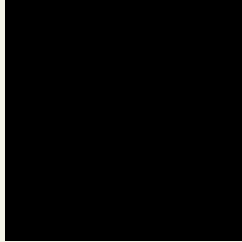
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

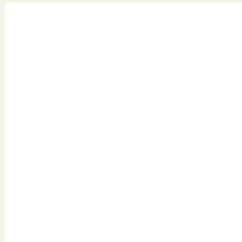
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.7607, 0.3200, 0.3410**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.7607, 0.3200, 0.3410.

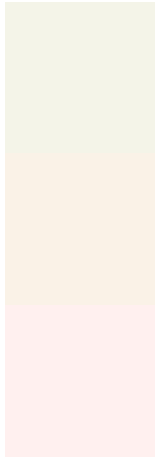


This preview shows how white text looks on a background with the Yxy color 89.7607, 0.3200, 0.3410.

# 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

89.7607, 0.3200, 0.3410

### Protanopia

89.5978, 0.3248, 0.3399

### Deuteranopia

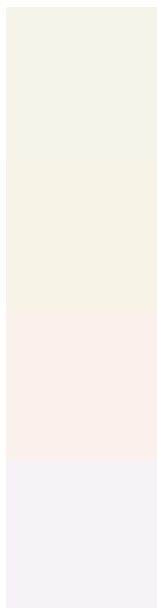
89.8122, 0.3233, 0.3300



## Tritanopia

89.9048, 0.3082, 0.3153

# Trichromacy



## Original Color

89.7607, 0.3200, 0.3410

## Protanomaly

89.8272, 0.3233, 0.3409

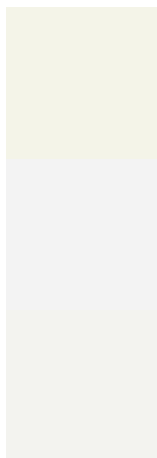
## Deuteranomaly

89.4760, 0.3224, 0.3340

## Tritanomaly

89.8125, 0.3123, 0.3241

# Monochromacy



## Original Color

89.7607, 0.3200, 0.3410

## Achromatopsia

89.6269, 0.3127, 0.3290

## Achromatomaly

89.3879, 0.3151, 0.3330

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.7607, 0.3200, 0.3410 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(244, 244, 232)` looks like.

```
.text, #text, p{  
    color:rgb(244, 244, 232)  
}
```

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(244, 244, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 244, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 89.7607, 0.3200, 0.3410 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(244, 244, 232) }
```

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

```
.border{ border-color:rgb(244, 244, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 244, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 244, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 244, 232);  
box-shadow:4px 4px 4px 4px rgb(244, 244,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.7607, 0.3200, 0.3410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 244, 232) }
```

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

```
.background{ background-color: rgb(244,  
244, 232) }
```

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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