

Converting Colors

Yxy(89.8696, 0.3189, 0.3392)

Have a look what the booklet for
Yxy(89.8696, 0.3189, 0.3392)
contains.

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Color

Yxy(89.8750, 0.3188, 0.3390)

Conversions

Conversions Part 1

Format	Color
Hex	F4F4EA
RGB	244, 244, 234
RGB Percent	96%, 96%, 92%
CMY	0.0430, 0.0432, 0.0824
CMYK	0.00, 0.00, 0.04, 0.04
HSL	60°, 31%, 94%
HSV	60°, 4%, 96%
XYZ	84.5196, 89.8750, 90.7234
YIQ	242.8600, 3.2100, -3.1100

Conversions

Conversions Part 2

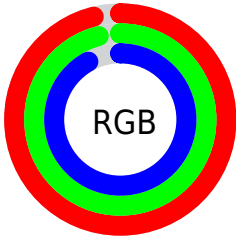
Format	Color
R _Y B	234, 244, 234
Decimal	16053482
CIE Lab	95.94, -1.71, 4.81
CIE LCh	96, 5.104, 109.549
Yxy	89.8750, 0.3188, 0.3390
Android (android.graphics.Color)	4294243562 (0xFFFF4F4EA)
YUV	242.8600, -4.3680, 0.9998
Hunter-Lab	94.8024, -6.7654, 9.6228

Details

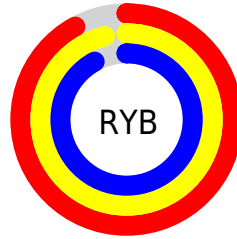
The Yxy color **89.8750, 0.3188, 0.3390** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.8911, 0.3065, 0.3188**, and the grayscale version is **89.5505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.8722, 0.3205, 0.3418** is the 20% darker color. If you saturate the color by 10%, you get **88.4982, 0.3339, 0.3639**, and if you desaturate by 10%, it is **91.2325, 0.3062, 0.3183**.

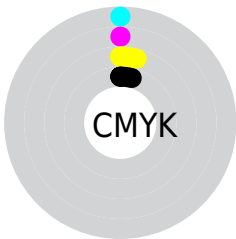
Distribution



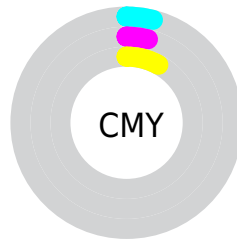
- Red (96%)
- Green (96%)
- Blue (92%)



- Red (92%)
- Yellow (96%)
- Blue (92%)



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




- Cyan (4%)
- Magenta (4%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.8750, 0.3188, 0.3390 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 89.8750, 0.3188, 0.3390 by changing the saturation by 10% instead.

 89.8750, 0.3188,
0.3390

 89.8750, 0.3188,
0.3390


527.6241, 0.3161,
0.3345

 67.8770, 0.3194,
0.3400

147.1648, 0.3179,
0.3375

 49.7977, 0.3201,
0.3412


183.2253, 0.3175,
0.3369

 35.2526, 0.3210,
0.3427


224.7421, 0.3172,
0.3364

 23.8576, 0.3222,
0.3446

272.0995, 0.3169,
0.3359

 15.2280, 0.3237,
0.3472

325.6821, 0.3167,
0.3355

 8.9796, 0.3257,
0.3507

385.8741, 0.3165,

 4.7278, 0.3288,

0.3351

0.3559

453.0600, 0.3163,
0.3348

■ 2.0885, 0.3337,
0.3645

■ 0.6581, 0.3599,
0.4057

■ 89.8750, 0.3188,
0.3390

■ 89.8750, 0.3188,
0.3390

■ 88.4982, 0.3339,
0.3639

■ 91.2325, 0.3062,
0.3183

■ 87.3029, 0.3493,
0.3891

■ 91.3059, 0.3062,
0.3185

■ 86.2846, 0.3644,
0.4138


■ 91.3793, 0.3062,
0.3186


■ 85.4344, 0.3786,
0.4371

■ 91.4528, 0.3062,
0.3187

 84.7422, 0.3914,
0.4580


 91.5263, 0.3062,
0.3188

 84.1974, 0.4022,
0.4756


 91.5999, 0.3062,
0.3189


 83.7878, 0.4105,
0.4891

 91.6735, 0.3062,
0.3191

 83.4990, 0.4162,
0.4983

 91.7472, 0.3062,
0.3192

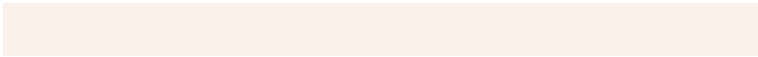
 83.3139, 0.4193,
0.5031

 91.8209, 0.3062,
0.3193

Harmonies

Analogous

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



89.8750, 0.3227, 0.3376



89.8750, 0.3188, 0.3390



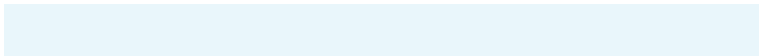
89.8750, 0.3133, 0.3377

Triad

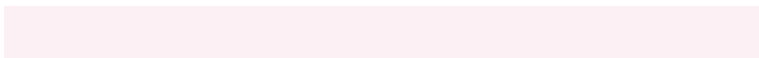
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.8750, 0.3188, 0.3390



89.8750, 0.3016, 0.3239



89.8750, 0.3178, 0.3241

Complementary

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



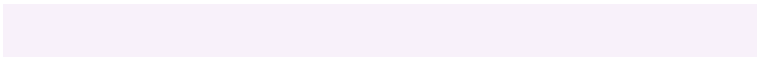
89.8750, 0.3188, 0.3390



82.8911, 0.3065, 0.3188

Split Complementary

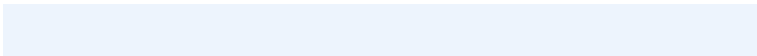
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.8750, 0.3121, 0.3206



89.8750, 0.3188, 0.3390



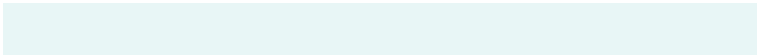
89.8750, 0.3028, 0.3204

Square

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



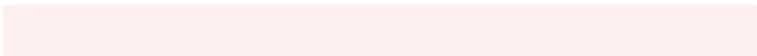
89.8750, 0.3188, 0.3390



89.8750, 0.3034, 0.3289



89.8750, 0.3066, 0.3192



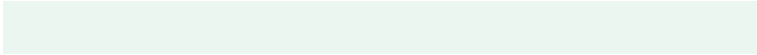
89.8750, 0.3222, 0.3290

Rectangle

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



89.8750, 0.3188, 0.3390



89.8750, 0.3094, 0.3354



89.8750, 0.3066, 0.3192



89.8750, 0.3160, 0.3228

Sweetspot

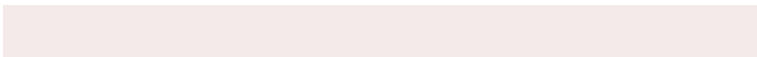
The Sweet Spot groups the original color and five complimentary colors.



89.8789, 0.3188, 0.3390



99.8287, 0.3142, 0.3314



84.0284, 0.3194, 0.3289



21.3693, 0.3141, 0.3313



0.0000, 0.0000, 0.0000



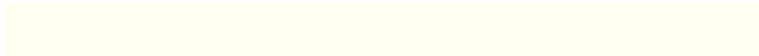
21.4041, 0.3127, 0.3290

Same Dimension

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



89.8789, 0.3188, 0.3390



99.1652, 0.3201, 0.3412



89.0507, 0.3156, 0.3391



19.4144, 0.3211, 0.3429



45.2483, 0.4202, 0.5046



3.9814, 0.4201, 0.5047

Inverse Universe

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



82.8911, 0.3065, 0.3188



89.8326, 0.3051, 0.3165



83.6966, 0.3097, 0.3189



17.3463, 0.3041, 0.3148



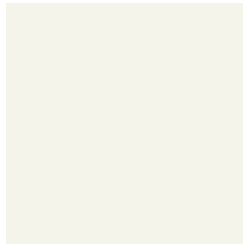
3.5717, 0.1501, 0.0603



0.3185, 0.1503, 0.0611

Previews

White Background



This preview shows how the Yxy color 89.8750, 0.3188, 0.3390 looks on a white background.

Color Contrast Check

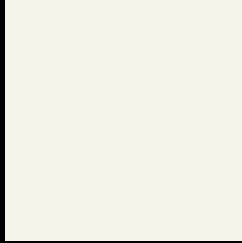
Large Text (above 18pt) WCAG AA × Fail

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 89.8750, 0.3188, 0.3390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

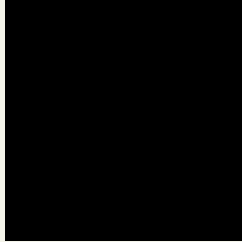
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

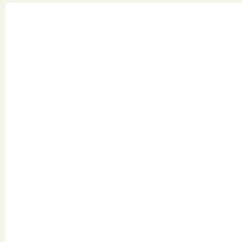
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.8750, 0.3188, 0.3390

Background



This preview shows how black text looks on a background with the Yxy color 89.8750, 0.3188, 0.3390.

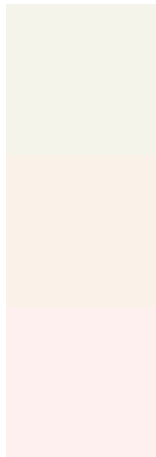


This preview shows how white text looks on a background with the Yxy color 89.8750, 0.3188, 0.3390.

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

89.8750, 0.3188, 0.3390

Protanopia

89.7114, 0.3235, 0.3379

Deuteranopia

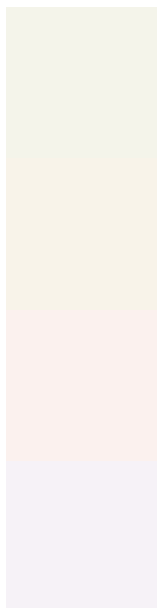
89.8714, 0.3226, 0.3290



Tritanopia

89.9048, 0.3082, 0.3153

Trichromacy



Original Color

89.8750, 0.3188, 0.3390

Protanomaly

89.9408, 0.3221, 0.3389

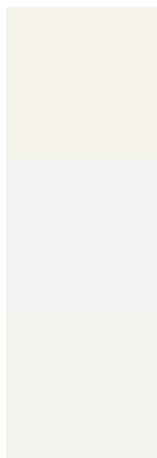
Deuteranomaly

89.5929, 0.3212, 0.3320

Tritanomaly

89.8125, 0.3123, 0.3241

Monochromacy



Original Color

89.8750, 0.3188, 0.3390

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.4471, 0.3145, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.8750, 0.3188, 0.3390 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(244, 244, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 244, 234) }
```

Border

The CSS property to change the border of an element to Yxy 89.8750, 0.3188, 0.3390 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, 234) }
```

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

```
.border{ border-color:rgb(244, 244, 234) }
```

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, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 244, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 244, 234);  
box-shadow:4px 4px 4px 4px rgb(244, 244,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 89.8750, 0.3188, 0.3390 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, 234) }
```

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

```
.background{ background-color: rgb(244,  
244, 234) }
```

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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