

Converting Colors

$Yxy(88.1436, 0.3208, 0.3394)$

Have a look what the booklet for
Yxy(88.1436, 0.3208, 0.3394)
contains.

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Color

Yxy(87.9132, 0.3208, 0.3391)

Conversions

Conversions Part 1

Format	Color
Hex	F4F1E7
RGB	244, 241, 231
RGB Percent	96%, 95%, 91%
CMY	0.0434, 0.0548, 0.0942
CMYK	0.00, 0.01, 0.05, 0.04
HSL	47°, 37%, 93%
HSV	47°, 5%, 96%
XYZ	83.1688, 87.9132, 88.1725
YIQ	240.7570, 4.9980, -2.4740

Conversions

Conversions Part 2

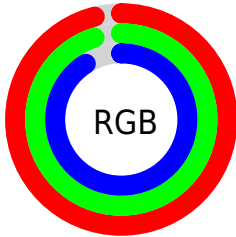
Format	Color
RYB	235, 244, 231
Decimal	16052711
CIELab	95.12, -0.75, 5.18
CIELCh	95, 5.229, 98.206
Yxy	87.9132, 0.3208, 0.3391
Android (android.graphics.Color)	4294242791 (0xFFFF4F1E7)
YUV	240.7570, -4.8102, 2.8441
Hunter-Lab	93.7620, -5.7504, 9.8780

Details

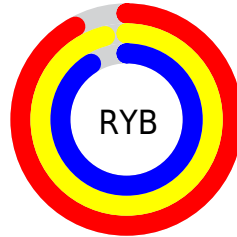
The Yxy color **87.9132, 0.3208, 0.3391** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.2990, 0.3046, 0.3187**, and the grayscale version is **87.7929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.4844, 0.3231, 0.3419** is the 20% darker color. If you saturate the color by 10%, you get **83.4363, 0.3370, 0.3588**, and if you desaturate by 10%, it is **92.6632, 0.3061, 0.3207**.

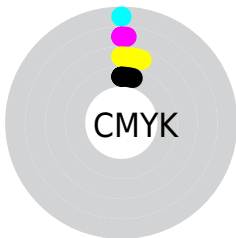
Distribution



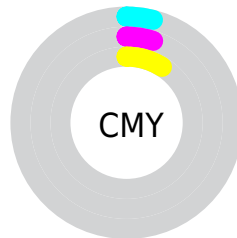
- Red (96%)
- Green (95%)
- Blue (91%)



- Red (92%)
- Yellow (96%)
- Blue (91%)



- Cyan (0%)
- Magenta (1%)
- Yellow (5%)
- Black (4%)





- Cyan (4%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.9132, 0.3208, 0.3391 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 87.9132, 0.3208, 0.3391 by changing the saturation by 10% instead.


 87.9132, 0.3208,
0.3391

 87.9132, 0.3208,
0.3391

521.2189, 0.3172,
0.3346

 66.2512, 0.3216,
0.3401


144.4363, 0.3196,
0.3376

 48.4763, 0.3226,
0.3413

180.0662, 0.3191,
0.3370

 34.2043, 0.3238,
0.3428


221.1208, 0.3187,
0.3364

 23.0506, 0.3253,
0.3448

267.9846, 0.3183,
0.3360

 14.6308, 0.3274,
0.3474

321.0419, 0.3180,
0.3356

 8.5607, 0.3302,
0.3510

380.6771, 0.3177,

 4.4558, 0.3345,

0.3352

447.2747, 0.3174,
0.3349

0.3564

■ 1.9316, 0.3414,
0.3652

■ 0.5673, 0.3876,
0.4221

■ 87.9132, 0.3208,
0.3391

■ 87.9132, 0.3208,
0.3391

■ 83.4363, 0.3370,
0.3588

■ 92.6632, 0.3061,
0.3207

■ 79.2367, 0.3543,
0.3790

■ 96.0564, 0.3060,
0.3261

■ 75.3087, 0.3724,
0.3992

■ 97.9620, 0.3059,
0.3290

■ 71.6425, 0.3908,
0.4185

■ 68.2272, 0.4090,
0.4360

■ 65.0510, 0.4260,
0.4505

■ 62.1005, 0.4410,
0.4612

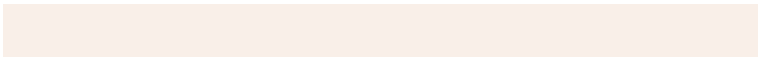
■ 59.3605, 0.4534,
0.4672

■ 56.8121, 0.4628,
0.4684

Harmonies

Analogous

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



87.9132, 0.3239, 0.3367



87.9132, 0.3208, 0.3391



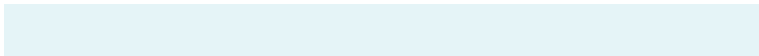
87.9132, 0.3155, 0.3388

Triad

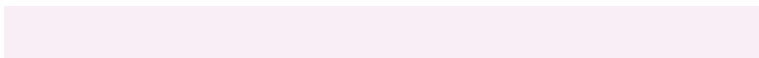
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9132, 0.3208, 0.3391



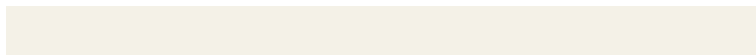
87.9132, 0.3016, 0.3256



87.9132, 0.3158, 0.3224

Complementary

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



87.9132, 0.3208, 0.3391



82.2990, 0.3046, 0.3187

Split Complementary

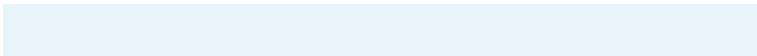
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.9132, 0.3098, 0.3195



87.9132, 0.3208, 0.3391



87.9132, 0.3017, 0.3213

Square

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



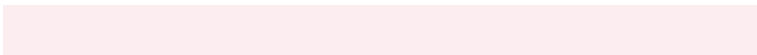
87.9132, 0.3208, 0.3391



87.9132, 0.3045, 0.3310



87.9132, 0.3047, 0.3190



87.9132, 0.3210, 0.3270

Rectangle

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



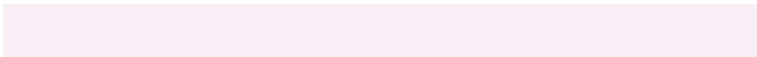
87.9132, 0.3208, 0.3391



87.9132, 0.3115, 0.3371



87.9132, 0.3047, 0.3190



87.9132, 0.3138, 0.3212

Sweetspot

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



87.9170, 0.3208, 0.3391



98.9468, 0.3157, 0.3328



82.3048, 0.3197, 0.3260



21.1898, 0.3156, 0.3326



0.0000, 0.0000, 0.0000



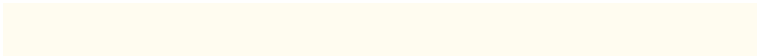
21.4041, 0.3127, 0.3290

Same Dimension

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



87.9170, 0.3208, 0.3391



96.8795, 0.3219, 0.3405



89.0426, 0.3183, 0.3421



18.9253, 0.3229, 0.3417



30.5017, 0.4656, 0.4685



2.8321, 0.4586, 0.4741

Inverse Universe

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



82.2990, 0.3046, 0.3187



89.8766, 0.3035, 0.3173



81.2364, 0.3070, 0.3158



17.4161, 0.3025, 0.3160



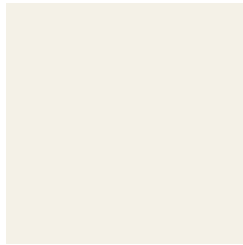
5.1954, 0.1567, 0.0839



0.6046, 0.1629, 0.1063

Previews

White Background



This preview shows how the Yxy color 87.9132, 0.3208, 0.3391 looks on a white background.

Color Contrast Check

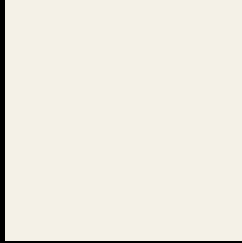
Large Text (above 18pt) WCAG AA × Fail

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 87.9132, 0.3208, 0.3391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

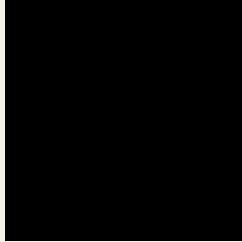
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

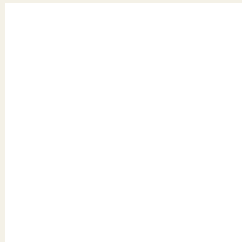
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.9132, 0.3208, 0.3391

Background



This preview shows how black text looks on a background with the Yxy color 87.9132, 0.3208, 0.3391.

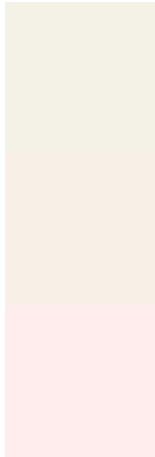


This preview shows how white text looks on a background with the Yxy color 87.9132, 0.3208, 0.3391.

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

87.9132, 0.3208, 0.3391

Protanopia

87.9898, 0.3242, 0.3390

Deuteranopia

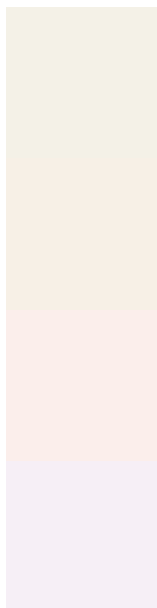
87.9428, 0.3248, 0.3290



Tritanopia

88.1432, 0.3083, 0.3124

Trichromacy



Original Color

87.9132, 0.3208, 0.3391

Protanomaly

87.8075, 0.3236, 0.3390

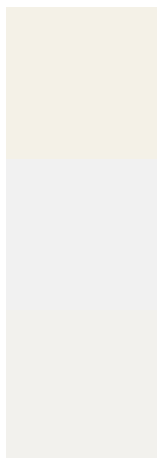
Deuteranomaly

87.6565, 0.3233, 0.3320

Tritanomaly

87.9797, 0.3130, 0.3221

Monochromacy



Original Color

87.9132, 0.3208, 0.3391

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.9023, 0.3158, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9132, 0.3208, 0.3391 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, 241, 231)` looks like.

```
.text, #text, p{  
    color:rgb(244, 241, 231)  
}
```

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, 241, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 241, 231) }
```

Border

The CSS property to change the border of an element to Yxy 87.9132, 0.3208, 0.3391 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, 241, 231) }
```

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

```
.border{ border-color:rgb(244, 241, 231) }
```

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

Here you see how a box with a 4 pixel rgb(244, 241, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 241, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 241, 231);  
box-shadow:4px 4px 4px 4px rgb(244, 241,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9132, 0.3208, 0.3391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 241, 231) }
```

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

```
.background{ background-color: rgb(244,  
241, 231) }
```

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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