

Converting Colors

$Yxy(87.5138, 0.3274, 0.3480)$

Have a look what the booklet for
Yxy(87.5138, 0.3274, 0.3480)
contains.

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Color

Yxy(87.5970, 0.3271, 0.3482)

Conversions

Conversions Part 1

Format	Color
Hex	F5F1DE
RGB	245, 241, 222
RGB Percent	96%, 95%, 87%
CMY	0.0393, 0.0548, 0.1294
CMYK	0.00, 0.02, 0.09, 0.04
HSL	50°, 53%, 92%
HSV	50°, 9%, 96%
XYZ	82.2889, 87.5970, 81.6851
YIQ	240.0300, 8.4830, -5.0610

Conversions

Conversions Part 2

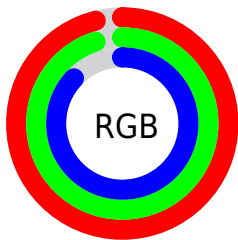
Format	Color
RYB	227, 245, 222
Decimal	16118238
CIELab	94.99, -1.86, 9.63
CIElCh	95, 9.813, 100.950
Yxy	87.5970, 0.3271, 0.3482
Android (android.graphics.Color)	4294308318 (0xFFFF5F1DE)
YUV	240.0300, -8.8888, 4.3587
Hunter-Lab	93.5933, -6.8479, 13.7690

Details

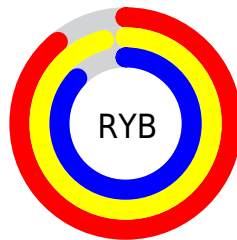
The Yxy color **87.5970, 0.3271, 0.3482** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.4957, 0.2981, 0.3090**, and the grayscale version is **87.2278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.3068, 0.3305, 0.3523** is the 20% darker color. If you saturate the color by 10%, you get **83.9123, 0.3434, 0.3694**, and if you desaturate by 10%, it is **91.5380, 0.3118, 0.3277**.

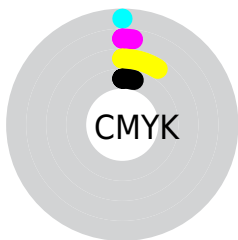
Distribution



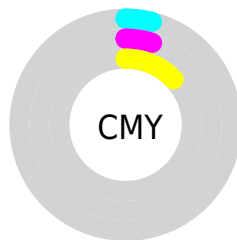
- Red (96%)
- Green (95%)
- Blue (87%)



- Red (89%)
- Yellow (96%)
- Blue (87%)



- Cyan (0%)
- Magenta (2%)
- Yellow (9%)
- Black (4%)



- Cyan (4%)
- Magenta (5%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.5970, 0.3271, 0.3482 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 87.5970, 0.3271, 0.3482 by changing the saturation by 10% instead.

87.5970, 0.3271,
0.3482

87.5970, 0.3271,
0.3482

520.1826, 0.3207,
0.3396

65.9894, 0.3285,
0.3501

143.9960, 0.3249,
0.3453

48.2638, 0.3302,
0.3525

179.5561, 0.3241,
0.3441

34.0358, 0.3324,
0.3554

220.5358, 0.3233,
0.3431

22.9211, 0.3351,
0.3591

267.3196, 0.3226,
0.3422

14.5353, 0.3388,
0.3641

320.2917, 0.3221,
0.3414

8.4939, 0.3438,
0.3710

379.8367, 0.3216,

4.4126, 0.3511,

0.3407

0.3814

446.3388, 0.3211,
0.3401

■ 1.9069, 0.3629,
0.3983

■ 0.5525, 0.4647,
0.5353

■ 87.5970, 0.3271,
0.3482

■ 87.5970, 0.3271,
0.3482

■ 83.9123, 0.3434,
0.3694

■ 91.5380, 0.3118,
0.3277

■ 80.4639, 0.3605,
0.3909

■ 94.6578, 0.3067,
0.3236

■ 77.2464, 0.3779,
0.4119

■ 97.3013, 0.3066,
0.3277

■ 74.2500, 0.3951,
0.4316

■ 98.1468, 0.3066,
0.3290

■ 71.4638, 0.4113,
0.4488

■ 68.8757, 0.4258,
0.4626

■ 66.4722, 0.4379,
0.4722

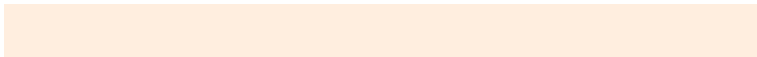
■ 64.2371, 0.4472,
0.4771

■ 62.1454, 0.4537,
0.4777

Harmonies

Analogous

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



87.5970, 0.3335, 0.3439



87.5970, 0.3271, 0.3482



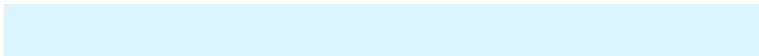
87.5970, 0.3169, 0.3472

Triad

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



87.5970, 0.3271, 0.3482



87.5970, 0.2917, 0.3216



87.5970, 0.3195, 0.3173

Complementary

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



87.5970, 0.3271, 0.3482



76.4957, 0.2981, 0.3090

Split Complementary

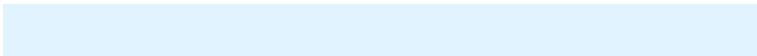
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.5970, 0.3082, 0.3116



87.5970, 0.3271, 0.3482



87.5970, 0.2923, 0.3138

Square

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



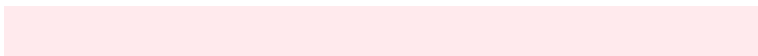
87.5970, 0.3271, 0.3482



87.5970, 0.2966, 0.3317



87.5970, 0.2983, 0.3102



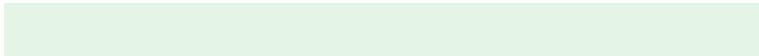
87.5970, 0.3291, 0.3261

Rectangle

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



87.5970, 0.3271, 0.3482



87.5970, 0.3094, 0.3437



87.5970, 0.2983, 0.3102



87.5970, 0.3158, 0.3150

Sweetspot

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



87.6008, 0.3271, 0.3482



98.6794, 0.3172, 0.3351



77.1587, 0.3263, 0.3247



21.0468, 0.3184, 0.3367



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.



87.6008, 0.3271, 0.3482



95.2800, 0.3297, 0.3517



88.6852, 0.3218, 0.3524



18.7995, 0.3273, 0.3484



33.6004, 0.4534, 0.4782



3.0783, 0.4484, 0.4822

Inverse Universe

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



76.4957, 0.2981, 0.3090



81.1324, 0.2954, 0.3053



75.5438, 0.3030, 0.3052



16.3879, 0.2979, 0.3088



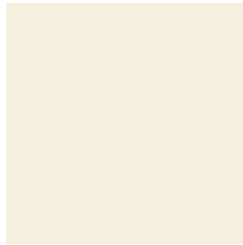
4.5876, 0.1543, 0.0753



0.5314, 0.1599, 0.0954

Previews

White Background



This preview shows how the Yxy color 87.5970, 0.3271, 0.3482 looks on a white background.

Color Contrast Check

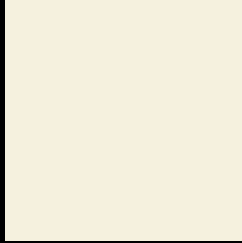
Large Text (above 18pt) WCAG AA × Fail

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 87.5970, 0.3271, 0.3482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

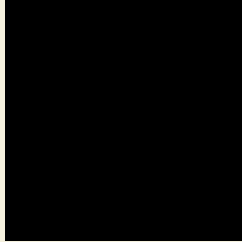
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.5970, 0.3271, 0.3482

Background



This preview shows how black text looks on a background with the Yxy color 87.5970, 0.3271, 0.3482.

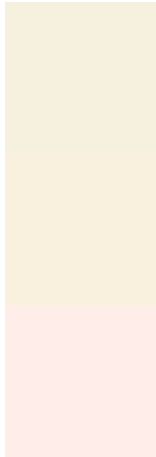


This preview shows how white text looks on a background with the Yxy color 87.5970, 0.3271, 0.3482.

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

87.5970, 0.3271, 0.3482

Protanopia

87.6804, 0.3306, 0.3481

Deuteranopia

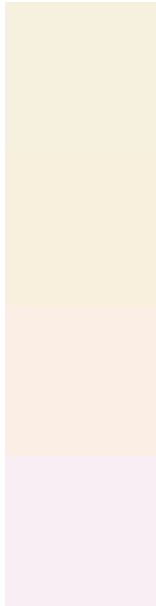
87.7116, 0.3274, 0.3330



Tritanopia

87.5349, 0.3103, 0.3105

Trichromacy



Original Color

87.5970, 0.3271, 0.3482

Protanomaly

87.4971, 0.3299, 0.3481

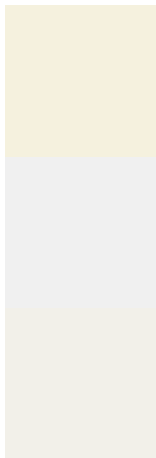
Deuteranomaly

87.3154, 0.3271, 0.3380

Tritanomaly

87.5766, 0.3163, 0.3241

Monochromacy



Original Color

87.5970, 0.3271, 0.3482

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.0806, 0.3183, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5970, 0.3271, 0.3482 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, 241, 222)` looks like.

```
.text, #text, p{  
    color:rgb(245, 241, 222)  
}
```

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, 241, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 241, 222) }
```

Border

The CSS property to change the border of an element to Yxy 87.5970, 0.3271, 0.3482 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, 241, 222) }
```

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

```
.border{ border-color:rgb(245, 241, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 241, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 241, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 241, 222);  
box-shadow:4px 4px 4px 4px rgb(245, 241,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5970, 0.3271, 0.3482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 241, 222) }
```

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

```
.background{ background-color: rgb(245,  
241, 222) }
```

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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