

Converting Colors

$Yxy(87.4737, 0.3423, 0.3804)$

Have a look what the booklet for
Yxy(87.4737, 0.3423, 0.3804)
contains.

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Color

Yxy(87.4737, 0.3423, 0.3804)

Conversions

Conversions Part 1

Format	Color
Hex	F2F4C2
RGB	242, 244, 194
RGB Percent	95%, 96%, 76%
CMY	0.0509, 0.0431, 0.2393
CMYK	0.01, 0.00, 0.20, 0.04
HSL	62°, 69%, 86%
HSV	62°, 20%, 96%
XYZ	78.7125, 87.4737, 63.7657
YIQ	237.7020, 14.8580, -15.9740

Conversions

Conversions Part 2

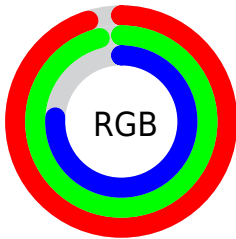
Format	Color
RYB	194, 244, 196
Decimal	15922370
CIELab	94.94, -8.65, 23.94
CIElCh	95, 25.458, 109.853
Yxy	87.4737, 0.3423, 0.3804
Android (android.graphics.Color)	4294112450 (0xFFFF2F4C2)
YUV	237.7020, -21.5451, 3.7693
Hunter-Lab	93.5274, -13.4475, 25.0461

Details

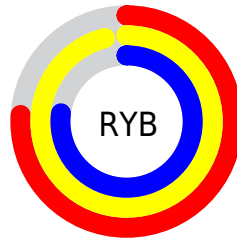
The Yxy color **87.4737, 0.3423, 0.3804** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.8392, 0.2797, 0.2724**, and the grayscale version is **85.4234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.7450, 0.3150, 0.3328**, and **48.1742, 0.3480, 0.3924** is the 20% darker color. If you saturate the color by 10%, you get **86.3003, 0.3568, 0.4058**, and if you desaturate by 10%, it is **88.8357, 0.3277, 0.3550**.

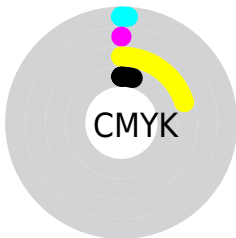
Distribution



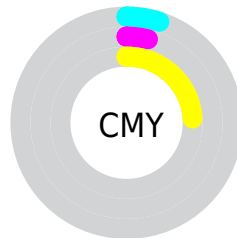
- Red (95%)
- Green (96%)
- Blue (76%)



- Red (76%)
- Yellow (96%)
- Blue (77%)



- Cyan (1%)
- Magenta (0%)
- Yellow (20%)
- Black (4%)



- Cyan (5%)
- Magenta (4%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.4737, 0.3423, 0.3804 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 87.4737, 0.3423, 0.3804 by changing the saturation by 10% instead.

87.4737, 0.3423,
0.3804

87.4737, 0.3423,
0.3804

519.7782, 0.3293,
0.3571

65.8873, 0.3451,
0.3856

143.8242, 0.3379,
0.3724

48.1809, 0.3484,
0.3920

179.3571, 0.3362,
0.3693

33.9702, 0.3525,
0.3999

220.3076, 0.3347,
0.3665

22.8707, 0.3576,
0.4101

267.0601, 0.3334,
0.3642

14.4981, 0.3641,
0.4236

319.9990, 0.3322,
0.3621

8.4679, 0.3726,
0.4422

379.5088, 0.3311,

4.3958, 0.3835,

0.3602

0.4691

445.9737, 0.3302,
0.3586

■ 1.8973, 0.4215,
0.5423

■ 0.5468, 0.3608,
0.6392

■ 87.4737, 0.3423,
0.3804

■ 87.4737, 0.3423,
0.3804

■ 86.3003, 0.3568,
0.4058

■ 88.8357, 0.3277,
0.3550

■ 85.2951, 0.3706,
0.4303


■ 90.3830, 0.3134,
0.3302

■ 84.4526, 0.3831,
0.4530


■ 91.3169, 0.3068,
0.3182


■ 83.7622, 0.3939,
0.4727


■ 91.4900, 0.3074,
0.3183

 83.2123, 0.4023,
0.4886


 91.6640, 0.3080,
0.3183


 82.7895, 0.4082,
0.5002


 91.8388, 0.3086,
0.3183

 82.4780, 0.4113,
0.5074

 92.0146, 0.3092,
0.3183

 82.2601, 0.4124,
0.5108

 92.1913, 0.3098,
0.3184

 92.3688, 0.3104,
0.3184

Harmonies

Analogous

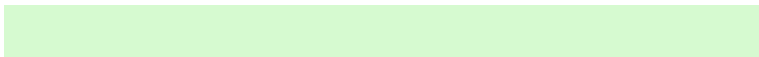
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4737, 0.3631, 0.3715



87.4737, 0.3423, 0.3804



87.4737, 0.3142, 0.3744

Triad

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



87.4737, 0.3423, 0.3804



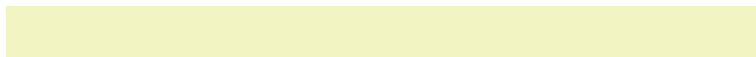
87.4737, 0.2584, 0.3019



87.4737, 0.3383, 0.3053

Complementary

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



87.4737, 0.3423, 0.3804



56.8392, 0.2797, 0.2724

Split Complementary

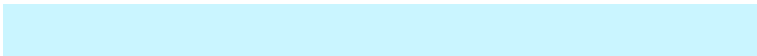
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4737, 0.3092, 0.2886



87.4737, 0.3423, 0.3804



87.4737, 0.2640, 0.2858

Square

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



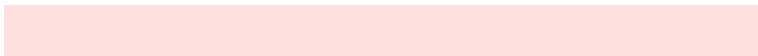
87.4737, 0.3423, 0.3804



87.4737, 0.2664, 0.3270



87.4737, 0.2822, 0.2814



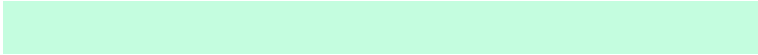
87.4737, 0.3610, 0.3281

Rectangle

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



87.4737, 0.3423, 0.3804



87.4737, 0.2952, 0.3622



87.4737, 0.2822, 0.2814



87.4737, 0.3288, 0.2989

Sweetspot

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



87.4776, 0.3423, 0.3804



98.9394, 0.3212, 0.3437



62.4513, 0.3535, 0.3309



21.1534, 0.3222, 0.3454



0.0000, 0.0000, 0.0000



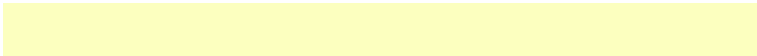
21.4041, 0.3127, 0.3290

Same Dimension

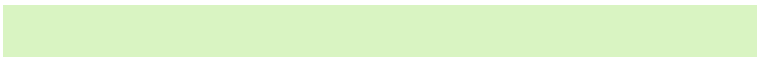
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4776, 0.3423, 0.3804



96.0799, 0.3489, 0.3921



83.3966, 0.3254, 0.3833



19.2784, 0.3262, 0.3524



44.7439, 0.4125, 0.5107



3.9427, 0.4134, 0.5100

Inverse Universe

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



56.8392, 0.2797, 0.2724



56.0282, 0.2712, 0.2579



60.4282, 0.2976, 0.2752



15.9578, 0.2985, 0.3046



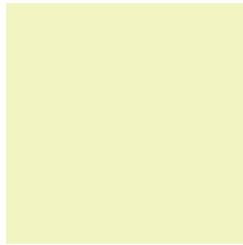
3.5988, 0.1512, 0.0607



0.3270, 0.1542, 0.0623

Previews

White Background



This preview shows how the Yxy color 87.4737, 0.3423, 0.3804 looks on a white background.

Color Contrast Check

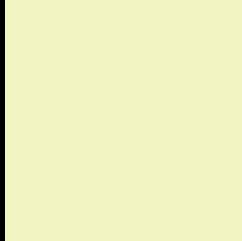
Large Text (above 18pt) WCAG AA × Fail

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 87.4737, 0.3423, 0.3804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

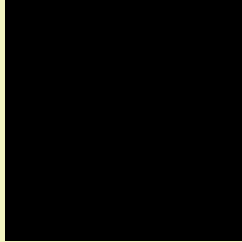
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

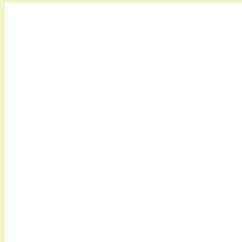
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.4737, 0.3423, 0.3804

Background



This preview shows how black text looks on a background with the Yxy color 87.4737, 0.3423, 0.3804.

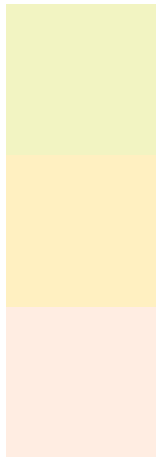


This preview shows how white text looks on a background with the Yxy color 87.4737, 0.3423, 0.3804.

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

87.4737, 0.3423, 0.3804

Protanopia

87.4304, 0.3529, 0.3761

Deuteranopia

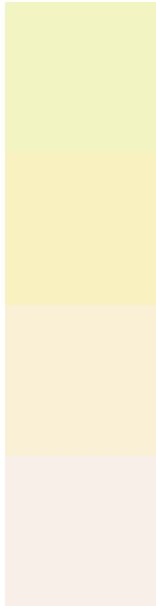
87.3194, 0.3319, 0.3399



Tritanopia

87.4707, 0.3109, 0.3115

Trichromacy



Original Color

87.4737, 0.3423, 0.3804

Protanomaly

87.0848, 0.3491, 0.3776

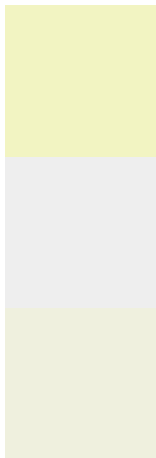
Deuteranomaly

87.4992, 0.3358, 0.3552

Tritanomaly

87.3334, 0.3224, 0.3360

Monochromacy



Original Color

87.4737, 0.3423, 0.3804

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.9448, 0.3232, 0.3474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4737, 0.3423, 0.3804 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(242, 244, 194)` looks like.

```
.text, #text, p{  
    color:rgb(242, 244, 194)  
}
```

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(242, 244, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 244, 194) }
```

Border

The CSS property to change the border of an element to Yxy 87.4737, 0.3423, 0.3804 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(242, 244, 194) }
```

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

```
.border{ border-color:rgb(242, 244, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 244, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 244, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 244, 194);  
box-shadow:4px 4px 4px 4px rgb(242, 244,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4737, 0.3423, 0.3804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 244, 194) }
```

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

```
.background{ background-color: rgb(242,  
244, 194) }
```

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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