

Converting Colors

$Y_{xy}(86.8585, 0.3428, 0.3699)$

Have a look what the booklet for
Yxy(86.8585, 0.3428, 0.3699)
contains.

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Color

Yxy(87.0372, 0.3432, 0.3706)

Conversions

Conversions Part 1

Format	Color
Hex	F8F1C8
RGB	248, 241, 200
RGB Percent	97%, 95%, 78%
CMY	0.0273, 0.0549, 0.2155
CMYK	0.00, 0.03, 0.19, 0.03
HSL	51°, 77%, 88%
HSV	51°, 19%, 97%
XYZ	80.6022, 87.0372, 67.2155
YIQ	238.4190, 17.3330, -11.2670

Conversions

Conversions Part 2

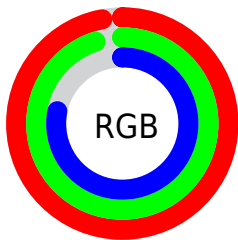
Format	Color
R_{YB}	208, 248, 200
Decimal	16314824
CIE Lab	94.75, -4.12, 20.66
CIE LCh	95, 21.068, 101.281
Yxy	87.0372, 0.3432, 0.3706
Android (android.graphics.Color)	4294504904 (0xFFFF8F1C8)
YUV	238.4190, -18.9406, 8.4025
Hunter-Lab	93.2937, -9.0469, 22.5889

Details

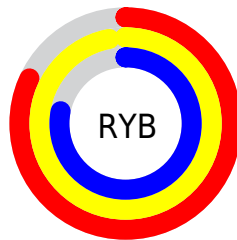
The Yxy color **87.0372, 0.3432, 0.3706** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.7214, 0.2809, 0.2837**, and the grayscale version is **85.9880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8496, 0.3494, 0.3798** is the 20% darker color. If you saturate the color by 10%, you get **83.8434, 0.3600, 0.3927**, and if you desaturate by 10%, it is **90.4698, 0.3270, 0.3488**.

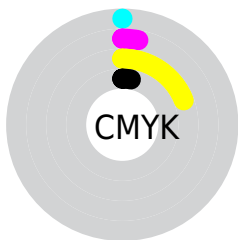
Distribution



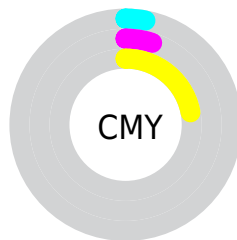
- Red (97%)
- Green (95%)
- Blue (78%)



- Red (82%)
- Yellow (97%)
- Blue (78%)



- Cyan (0%)
- Magenta (3%)
- Yellow (19%)
- Black (3%)



- Cyan (3%)
- Magenta (5%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.0372, 0.3432, 0.3706 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 87.0372, 0.3432, 0.3706 by changing the saturation by 10% instead.

87.0372, 0.3432,
0.3706

87.0372, 0.3432,
0.3706

518.3451, 0.3297,
0.3518

65.5260, 0.3462,
0.3748

143.2160, 0.3386,
0.3642

47.8877, 0.3497,
0.3798

178.6524, 0.3368,
0.3617

33.7380, 0.3542,
0.3862

219.4992, 0.3352,
0.3595

22.6924, 0.3597,
0.3943

266.1410, 0.3338,
0.3576

14.3665, 0.3670,
0.4049

318.9621, 0.3326,
0.3559

8.3760, 0.3767,
0.4196

378.3469, 0.3315,

4.3365, 0.3902,

0.3544

0.4409

444.6797, 0.3305,
0.3530

■ 1.8635, 0.4230,
0.4893

■ 0.5263, 0.4316,
0.5684

■ 87.0372, 0.3432,
0.3706

■ 87.0372, 0.3432,
0.3706

■ 83.8434, 0.3600,
0.3927

■ 90.4698, 0.3270,
0.3488

■ 80.8676, 0.3770,
0.4142

■ 94.1382, 0.3118,
0.3277

■ 78.1034, 0.3936,
0.4343

■ 96.7383, 0.3085,
0.3260

■ 75.5399, 0.4091,
0.4519

■ 98.7015, 0.3084,
0.3290

■ 73.1650, 0.4227,
0.4660

■ 70.9646, 0.4339,
0.4759

■ 68.9222, 0.4423,
0.4812

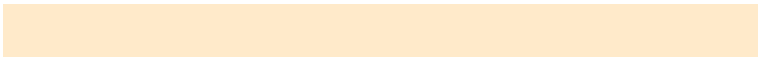
■ 67.0127, 0.4480,
0.4822

■ 66.8911, 0.4483,
0.4822

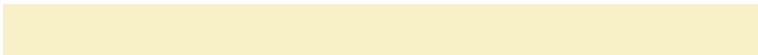
Harmonies

Analogous

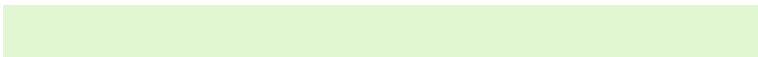
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0372, 0.3575, 0.3606



87.0372, 0.3432, 0.3706



87.0372, 0.3210, 0.3690

Triad

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



87.0372, 0.3432, 0.3706



87.0372, 0.2682, 0.3122



87.0372, 0.3273, 0.3046

Complementary

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



87.0372, 0.3432, 0.3706



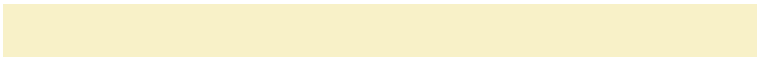
63.7214, 0.2809, 0.2837

Split Complementary

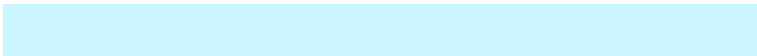
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.0372, 0.3030, 0.2925



87.0372, 0.3432, 0.3706



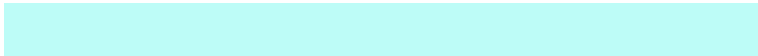
87.0372, 0.2696, 0.2961

Square

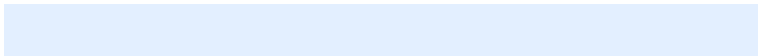
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.0372, 0.3432, 0.3706



87.0372, 0.2781, 0.3341



87.0372, 0.2821, 0.2893



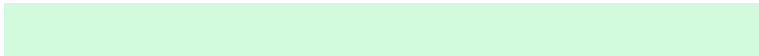
87.0372, 0.3483, 0.3227

Rectangle

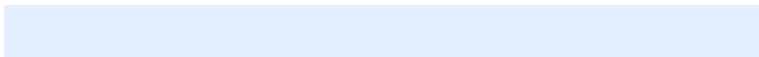
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.0372, 0.3432, 0.3706



87.0372, 0.3049, 0.3611



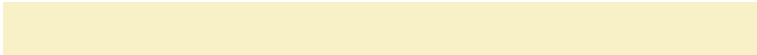
87.0372, 0.2821, 0.2893



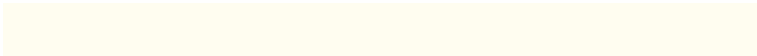
87.0372, 0.3192, 0.2997

Sweetspot

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



87.0411, 0.3432, 0.3706



97.6314, 0.3218, 0.3416



65.8027, 0.3454, 0.3216



20.8432, 0.3228, 0.3430



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.



87.0411, 0.3432, 0.3706



91.4204, 0.3493, 0.3787



88.3507, 0.3306, 0.3791



19.7317, 0.3272, 0.3491



36.2879, 0.4478, 0.4827



3.4753, 0.4438, 0.4858

Inverse Universe

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



63.7214, 0.2809, 0.2837



62.6385, 0.2742, 0.2738



62.8298, 0.2922, 0.2774



17.0533, 0.2979, 0.3081



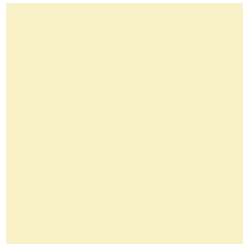
4.4751, 0.1533, 0.0718



0.5337, 0.1582, 0.0893

Previews

White Background



This preview shows how the Yxy color 87.0372, 0.3432, 0.3706 looks on a white background.

Color Contrast Check

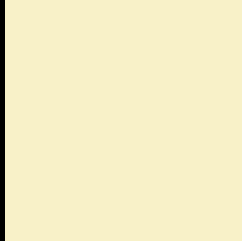
Large Text (above 18pt) WCAG AA × Fail

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 87.0372, 0.3432, 0.3706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

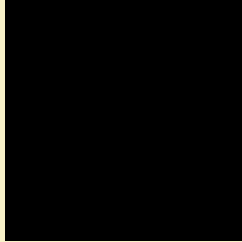
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.0372, 0.3432, 0.3706

Background



This preview shows how black text looks on a background with the Yxy color 87.0372, 0.3432, 0.3706.

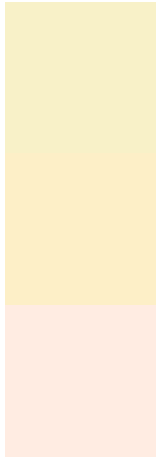


This preview shows how white text looks on a background with the Yxy color 87.0372, 0.3432, 0.3706.

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

87.0372, 0.3432, 0.3706

Protanopia

86.7392, 0.3477, 0.3693

Deuteranopia

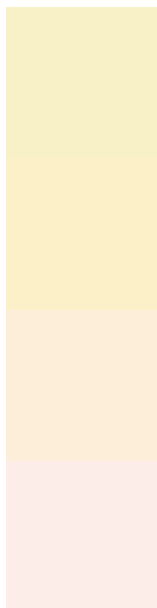
86.7419, 0.3320, 0.3389



Tritanopia

87.1339, 0.3155, 0.3116

Trichromacy



Original Color

87.0372, 0.3432, 0.3706

Protanomaly

86.9529, 0.3461, 0.3704

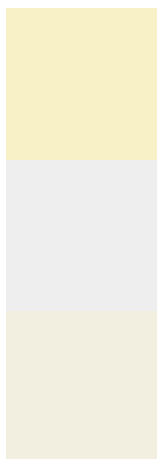
Deuteranomaly

86.8543, 0.3355, 0.3500

Tritanomaly

87.1470, 0.3253, 0.3330

Monochromacy



Original Color

87.0372, 0.3432, 0.3706

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.9921, 0.3240, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.0372, 0.3432, 0.3706 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(248, 241, 200)` looks like.

```
.text, #text, p{  
    color:rgb(248, 241, 200)  
}
```

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(248, 241, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 241, 200) }
```

Border

The CSS property to change the border of an element to Yxy 87.0372, 0.3432, 0.3706 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(248, 241, 200) }
```

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

```
.border{ border-color:rgb(248, 241, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 241, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 241, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 241, 200);  
box-shadow:4px 4px 4px 4px rgb(248, 241,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0372, 0.3432, 0.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 241, 200) }
```

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

```
.background{ background-color: rgb(248,  
241, 200) }
```

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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