

Converting Colors

$Y_{xy}(123.8858, 0.3736, 0.3914)$

Have a look what the booklet for
Yxy(123.8858, 0.3736, 0.3914)
contains.

Yxy(97.0918, 0.3436, 0.3800)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(97.0918, 0.3436, 0.3800)

Conversions

Conversions Part 1

Format	Color
Hex	FFFFCB
RGB	255, 255, 203
RGB Percent	100%, 100%, 80%
CMY	0.0000, 0.0000, 0.2039
CMYK	0.00, 0.00, 0.20, 0.00
HSL	60°, 100%, 90%
HSV	60°, 20%, 100%
XYZ	87.7914, 97.0918, 70.6215
YIQ	249.0720, 16.6920, -16.1720

Conversions

Conversions Part 2

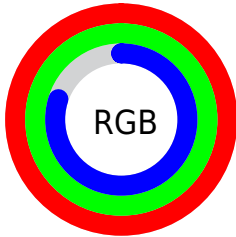
Format	Color
R _Y B	203, 255, 203
Decimal	16777163
CIE Lab	98.86, -8.17, 24.92
CIE LCh	99, 26.223, 108.145
Yxy	97.0918, 0.3436, 0.3800
Android (android.graphics.Color)	4294967243 (0xFFFFFFFFCB)
YUV	249.0720, -22.7135, 5.1989
Hunter-Lab	98.5352, -13.3992, 26.4807

Details

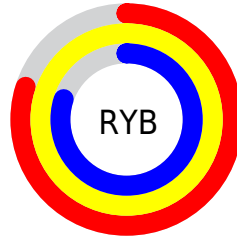
The Yxy color **97.0918, 0.3436, 0.3800** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.6406, 0.2784, 0.2723**, and the grayscale version is **94.9711, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.5639, 0.3497, 0.3901** is the 20% darker color. If you saturate the color by 10%, you get **95.9690, 0.3588, 0.4052**, and if you desaturate by 10%, it is **98.4081, 0.3283, 0.3547**.

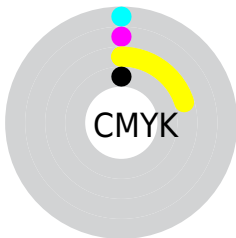
Distribution



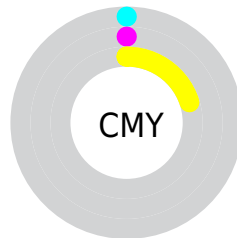
- Red (100%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (80%)



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





- Cyan (0%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 97.0918, 0.3436, 0.3800 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 97.0918, 0.3436, 0.3800 by changing the saturation by 10% instead.


 97.0918, 0.3436,
0.3800

 97.0918, 0.3436,
0.3800


550.8402, 0.3303,
0.3573

 73.8772, 0.3464,
0.3850

157.1514, 0.3392,
0.3723

 54.6935, 0.3498,
0.3910


194.7651, 0.3374,
0.3693

 39.1564, 0.3539,
0.3984


237.9474, 0.3358,
0.3666

 26.8814, 0.3589,
0.4078

287.0826, 0.3345,
0.3643

 17.4842, 0.3653,
0.4200

342.5550, 0.3332,
0.3623

 10.5803, 0.3734,
0.4366

404.7492, 0.3322,

 5.7854, 0.3841,

0.3604

0.4599

474.0495, 0.3312,
0.3588

■ 2.7150, 0.4020,
0.5001

■ 0.9848, 0.4268,
0.5732

■ 97.0918, 0.3436,
0.3800

■ 97.0918, 0.3436,
0.3800

■ 95.9690, 0.3588,
0.4052

■ 98.4081, 0.3283,
0.3547


■ 95.0397, 0.3734,
0.4293


99.9367, 0.3133,
0.3299

■ 94.2899, 0.3867,
0.4513


100.0000, 0.3127,
0.3290

■ 93.7082, 0.3982,
0.4702

 93.2814, 0.4073,
0.4854

 92.9948, 0.4138,
0.4961

 92.8306, 0.4177,
0.5025

 92.7606, 0.4193,
0.5052

Harmonies

Analogous

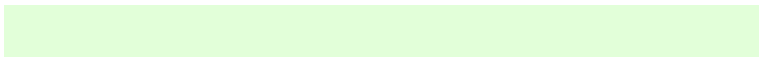
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.0918, 0.3637, 0.3704



97.0918, 0.3436, 0.3800



97.0918, 0.3158, 0.3749

Triad

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



97.0918, 0.3436, 0.3800



97.0918, 0.2588, 0.3033



97.0918, 0.3366, 0.3043

Complementary

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



97.0918, 0.3436, 0.3800



62.6406, 0.2784, 0.2723

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.



97.0918, 0.3075, 0.2881



97.0918, 0.3436, 0.3800



97.0918, 0.2636, 0.2866

Square

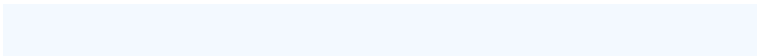
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



97.0918, 0.3436, 0.3800



97.0918, 0.2675, 0.3286



97.0918, 0.2810, 0.2815



97.0918, 0.3598, 0.3267

Rectangle

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



97.0918, 0.3436, 0.3800



97.0918, 0.2968, 0.3633



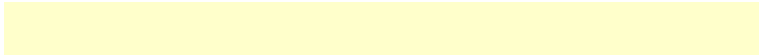
97.0918, 0.2810, 0.2815



97.0918, 0.3271, 0.2980

Sweetspot

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



97.0886, 0.3436, 0.3800



99.0523, 0.3216, 0.3437



68.3330, 0.3530, 0.3282



21.1802, 0.3226, 0.3453



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

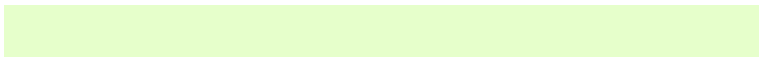
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97.0886, 0.3436, 0.3800



96.6614, 0.3491, 0.3892



92.6347, 0.3270, 0.3828



21.0904, 0.3269, 0.3525



48.4696, 0.4193, 0.5052



4.7194, 0.4193, 0.5052

Inverse Universe

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



62.6406, 0.2784, 0.2723



57.1607, 0.2715, 0.2608



66.4561, 0.2958, 0.2751



17.3782, 0.2978, 0.3044



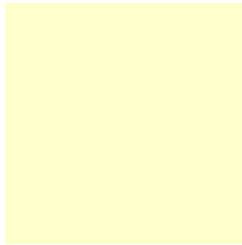
3.7731, 0.1500, 0.0600



0.3675, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 97.0918, 0.3436, 0.3800 looks on a white background.

Color Contrast Check

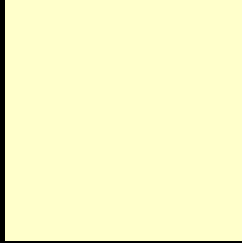
Large Text (above 18pt) WCAG AA × Fail

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 97.0918, 0.3436, 0.3800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

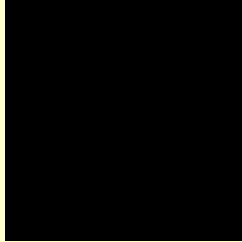
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 97.0918, 0.3436, 0.3800

Background



This preview shows how black text looks on a background with the Yxy color 97.0918, 0.3436, 0.3800.



This preview shows how white text looks on a background with the Yxy color 97.0918, 0.3436, 0.3800.

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

97.0918, 0.3436, 0.3800



Protanopia

97.2916, 0.3205, 0.3386

Deuteranopia

97.0939, 0.3164, 0.3309

Tritanopia

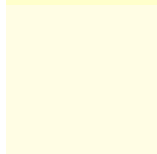
97.2852, 0.3123, 0.3252

Trichromacy



Original Color

97.0918, 0.3436, 0.3800



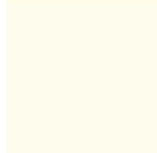
Protanomaly

97.1120, 0.3288, 0.3533



Deuteranomaly

96.7070, 0.3265, 0.3484



Tritanomaly

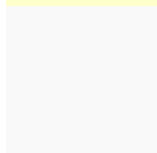
96.7478, 0.3234, 0.3445

Monochromacy



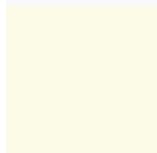
Original Color

97.0918, 0.3436, 0.3800



Achromatopsia

94.7307, 0.3127, 0.3290



Achromatomaly

95.3298, 0.3240, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 97.0918, 0.3436, 0.3800 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(255, 255, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 203)  
}
```

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(255, 255, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 203) }
```

Border

The CSS property to change the border of an element to Yxy 97.0918, 0.3436, 0.3800 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(255, 255, 203) }
```

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

```
.border{ border-color:rgb(255, 255, 203) }
```

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

Here you see how a box with a 4 pixel rgb(255, 255, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 97.0918, 0.3436, 0.3800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 203) }
```

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

```
.background{ background-color: rgb(255,  
255, 203) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor