

Converting Colors

$Y_{xy}(92.4831, 0.3400, 0.3730)$

Have a look what the booklet for
Yxy(92.4831, 0.3400, 0.3730)
contains.

Yxy(92.4831, 0.3400, 0.3730)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(92.4831, 0.3400, 0.3730)

Conversions

Conversions Part 1

Format	Color
Hex	FAF9CD
RGB	250, 249, 205
RGB Percent	98%, 98%, 80%
CMY	0.0199, 0.0234, 0.1961
CMYK	0.00, 0.00, 0.18, 0.02
HSL	59°, 82%, 89%
HSV	59°, 18%, 98%
XYZ	84.3009, 92.4831, 71.1599
YIQ	244.2830, 14.7200, -13.4720

Conversions

Conversions Part 2

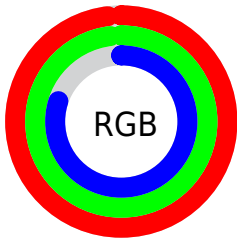
Format	Color
R _{YB}	206, 250, 205
Decimal	16447949
CIE _{Lab}	97.02, -6.75, 21.30
CIE _{LCh}	97, 22.338, 107.577
Y _{xy}	92.4831, 0.3400, 0.3730
Android (android.graphics.Color)	4294638029 (0xFFFAF9CD)
YUV	244.2830, -19.3665, 5.0138
Hunter-Lab	96.1681, -11.8212, 23.4459

Details

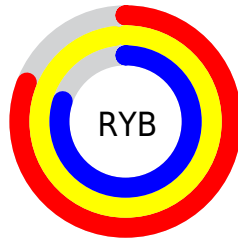
The Yxy color **92.4831, 0.3400, 0.3730** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.9711, 0.2830, 0.2808**, and the grayscale version is **90.8497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.7118, 0.3451, 0.3826** is the 20% darker color. If you saturate the color by 10%, you get **91.0633, 0.3555, 0.3978**, and if you desaturate by 10%, it is **94.1047, 0.3246, 0.3483**.

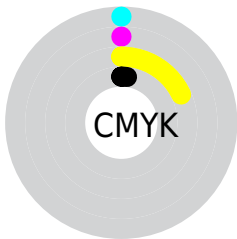
Distribution



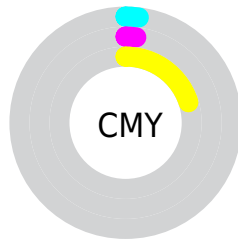
- Red (98%)
- Green (98%)
- Blue (80%)



- Red (81%)
- Yellow (98%)
- Blue (80%)



- Cyan (0%)
- Magenta (0%)
- Yellow (18%)
- Black (2%)





- Cyan (2%)
- Magenta (2%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.4831, 0.3400, 0.3730 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 92.4831, 0.3400, 0.3730 by changing the saturation by 10% instead.

 92.4831, 0.3400,
0.3730

 92.4831, 0.3400,
0.3730


536.0756, 0.3281,
0.3533

 70.0420, 0.3426,
0.3773

150.7828, 0.3360,
0.3663

 51.5607, 0.3456,
0.3826


187.4101, 0.3344,
0.3636

 36.6551, 0.3494,
0.3892


229.5349, 0.3330,
0.3613

 24.9405, 0.3541,
0.3976

277.5417, 0.3318,
0.3593

 16.0328, 0.3602,
0.4086

331.8147, 0.3307,
0.3576

 9.5473, 0.3681,
0.4237

392.7385, 0.3297,

 5.0999, 0.3788,

0.3560

460.6973, 0.3289,
0.3546

0.4455

2.3060, 0.3978,
0.4841

0.7769, 0.4248,
0.5752

92.4831, 0.3400,
0.3730

92.4831, 0.3400,
0.3730

91.0633, 0.3555,
0.3978

94.1047, 0.3246,
0.3483

89.8240, 0.3705,
0.4219


95.9243, 0.3098,
0.3242

88.7593, 0.3846,
0.4442

96.2398, 0.3097,
0.3247

87.8584, 0.3970,
0.4638

96.5548, 0.3097,
0.3252

 87.1093, 0.4073,
0.4797


 96.8707, 0.3097,
0.3257

 86.4984, 0.4150,
0.4914

 97.1874, 0.3097,
0.3262

 86.0095, 0.4200,
0.4987

 97.5050, 0.3097,
0.3267

 85.6208, 0.4226,
0.5020

 97.8234, 0.3097,
0.3271

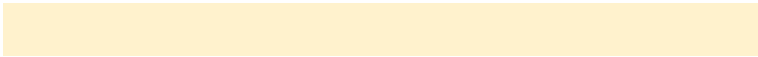
 85.5481, 0.4229,
0.5024

 98.1427, 0.3096,
0.3276

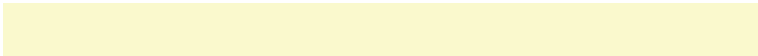
Harmonies

Analogous

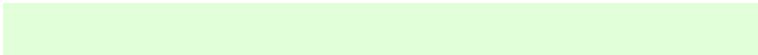
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.4831, 0.3571, 0.3648



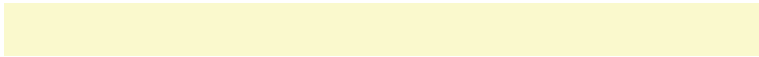
92.4831, 0.3400, 0.3730



92.4831, 0.3160, 0.3687

Triad

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



92.4831, 0.3400, 0.3730



92.4831, 0.2658, 0.3073



92.4831, 0.3330, 0.3072

Complementary

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



92.4831, 0.3400, 0.3730



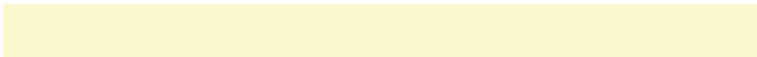
63.9711, 0.2830, 0.2808

Split Complementary

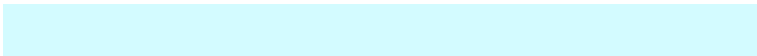
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.4831, 0.3078, 0.2931



92.4831, 0.3400, 0.3730



92.4831, 0.2698, 0.2924

Square

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



92.4831, 0.3400, 0.3730



92.4831, 0.2737, 0.3293



92.4831, 0.2849, 0.2876



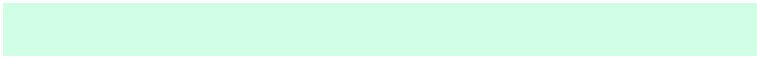
92.4831, 0.3531, 0.3268

Rectangle

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



92.4831, 0.3400, 0.3730



92.4831, 0.2995, 0.3588



92.4831, 0.2849, 0.2876



92.4831, 0.3248, 0.3017

Sweetspot

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



92.4872, 0.3400, 0.3730



99.0417, 0.3201, 0.3410



68.4514, 0.3466, 0.3275



21.1711, 0.3212, 0.3427



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

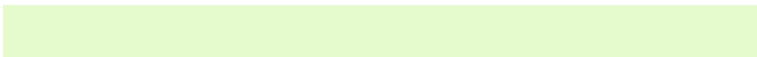
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.4872, 0.3400, 0.3730



96.1781, 0.3463, 0.3831



89.3896, 0.3258, 0.3759



20.1270, 0.3269, 0.3520



45.4320, 0.4229, 0.5024



4.2264, 0.4224, 0.5028

Inverse Universe

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



63.9711, 0.2830, 0.2808



60.6723, 0.2755, 0.2685



66.7206, 0.2975, 0.2819



16.6991, 0.2979, 0.3050



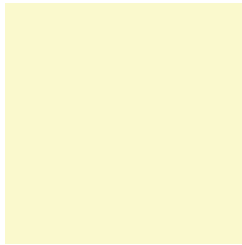
3.7438, 0.1504, 0.0612



0.3659, 0.1512, 0.0642

Previews

White Background



This preview shows how the Yxy color 92.4831, 0.3400, 0.3730 looks on a white background.

Color Contrast Check

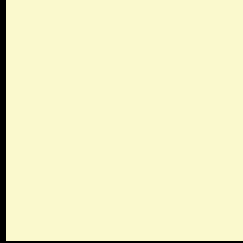
Large Text (above 18pt) WCAG AA × Fail

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 92.4831, 0.3400, 0.3730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

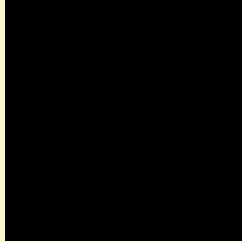
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 92.4831, 0.3400, 0.3730

Background



This preview shows how black text looks on a background with the Yxy color 92.4831, 0.3400, 0.3730.

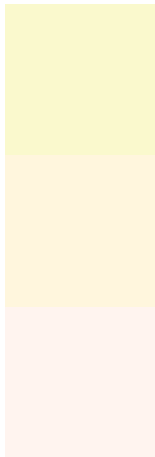


This preview shows how white text looks on a background with the Yxy color 92.4831, 0.3400, 0.3730.

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

92.4831, 0.3400, 0.3730

Protanopia

92.3920, 0.3339, 0.3536

Deuteranopia

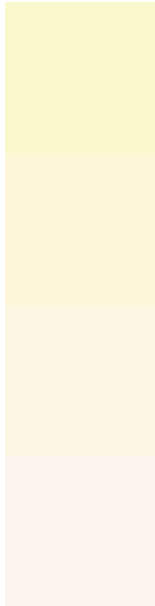
92.1934, 0.3229, 0.3339



Tritanopia

92.2038, 0.3120, 0.3175

Trichromacy



Original Color

92.4831, 0.3400, 0.3730

Protanomaly

92.3105, 0.3362, 0.3607

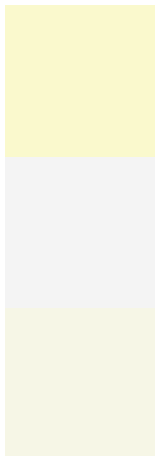
Deuteranomaly

92.3402, 0.3288, 0.3477

Tritanomaly

92.1147, 0.3221, 0.3369

Monochromacy



Original Color

92.4831, 0.3400, 0.3730

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

91.2175, 0.3224, 0.3449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.4831, 0.3400, 0.3730 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(250, 249, 205)` looks like.

```
.text, #text, p{  
    color:rgb(250, 249, 205)  
}
```

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(250, 249, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 249, 205) }
```

Border

The CSS property to change the border of an element to Yxy 92.4831, 0.3400, 0.3730 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(250, 249, 205) }
```

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

```
.border{ border-color:rgb(250, 249, 205) }
```

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

Here you see how a box with a 4 pixel rgb(250, 249, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 249, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 249, 205);  
box-shadow:4px 4px 4px 4px rgb(250, 249,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 92.4831, 0.3400, 0.3730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 249, 205) }
```

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

```
.background{ background-color: rgb(250,  
249, 205) }
```

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