

# Converting Colors

$Y_{xy}(92.7713, 0.3411, 0.3671)$

Have a look what the booklet for  
Yxy(92.7713, 0.3411, 0.3671)  
contains.

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# Color

**Yxy(92.9983, 0.3411, 0.3675)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF8D1
RGB	255, 248, 209
RGB Percent	100%, 97%, 82%
CMY	0.0000, 0.0274, 0.1803
CMYK	0.00, 0.03, 0.18, 0.00
HSL	51°, 100%, 91%
HSV	51°, 18%, 100%
XYZ	86.3176, 92.9983, 73.7407
YIQ	245.6470, 16.6910, -10.6450

# Conversions

## Conversions Part 2

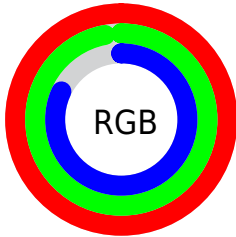
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	217, 255, 209
Decimal	16775377
CIE Lab	97.23, -3.85, 19.58
CIE LCh	97, 19.958, 101.117
Yxy	92.9983, 0.3411, 0.3675
Android (android.graphics.Color)	4294965457 (0xFFFFF8D1)
YUV	245.6470, -18.0670, 8.2026
Hunter-Lab	96.4356, -8.9906, 22.1681

# Details

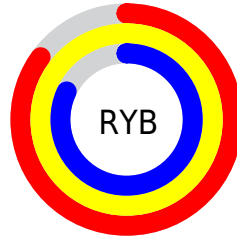
The Yxy color **92.9983, 0.3411, 0.3675** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.9017, 0.2833, 0.2873**, and the grayscale version is **92.0013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.0381, 0.3474, 0.3768** is the 20% darker color. If you saturate the color by 10%, you get **89.4784, 0.3579, 0.3895**, and if you desaturate by 10%, it is **96.7780, 0.3250, 0.3458**.

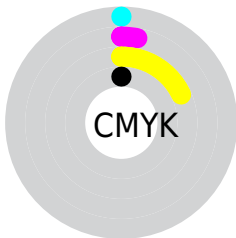
# Distribution



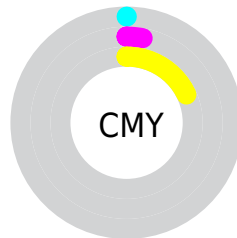
- Red (100%)
- Green (97%)
- Blue (82%)



- Red (85%)
- Yellow (100%)
- Blue (82%)



- Cyan (0%)
- Magenta (3%)
- Yellow (18%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.9983, 0.3411, 0.3675 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 92.9983, 0.3411, 0.3675 by changing the saturation by 10% instead.




 92.9983, 0.3411,  
0.3675

 92.9983, 0.3411,  
0.3675


537.7367, 0.3286,  
0.3504

 70.4701, 0.3438,  
0.3713


151.4963, 0.3369,  
0.3617

 51.9099, 0.3470,  
0.3758


188.2348, 0.3352,  
0.3594

 36.9332, 0.3510,  
0.3815


230.4789, 0.3338,  
0.3574

 25.1558, 0.3561,  
0.3887

278.6130, 0.3325,  
0.3556

 16.1932, 0.3626,  
0.3981

333.0214, 0.3314,  
0.3541

 9.6609, 0.3713,  
0.4110

394.0885, 0.3304,

 5.1747, 0.3833,

0.3527

0.4294

462.1989, 0.3294,  
0.3515

■ 2.3502, 0.4024,  
0.4594

■ 0.8001, 0.4545,  
0.5455

■ 92.9983, 0.3411,  
0.3675

■ 92.9983, 0.3411,  
0.3675

■ 89.4784, 0.3579,  
0.3895

■ 96.7780, 0.3250,  
0.3458

■ 86.1960, 0.3750,  
0.4111

99.9993, 0.3127,  
0.3290

■ 83.1447, 0.3919,  
0.4313

■ 80.3127, 0.4077,  
0.4492

■ 77.6872, 0.4218,  
0.4638

■ 75.2534, 0.4336,  
0.4742

■ 72.9941, 0.4425,  
0.4799

■ 70.8861, 0.4486,  
0.4812

■ 70.4814, 0.4496,  
0.4812

# Harmonies

## Analogous

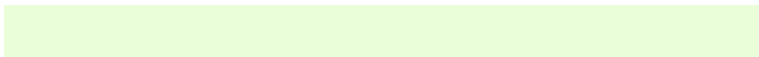
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.9983, 0.3542, 0.3583



92.9983, 0.3411, 0.3675



92.9983, 0.3206, 0.3660

# Triad

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



92.9983, 0.3411, 0.3675



92.9983, 0.2714, 0.3136



92.9983, 0.3262, 0.3062

# Complementary

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



92.9983, 0.3411, 0.3675



69.9017, 0.2833, 0.2873

# Split Complementary

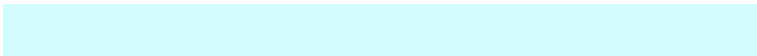
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.9983, 0.3037, 0.2950



92.9983, 0.3411, 0.3675



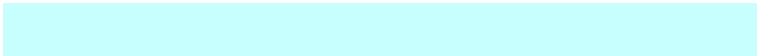
92.9983, 0.2726, 0.2985

# Square

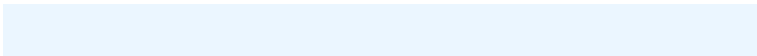
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.9983, 0.3411, 0.3675



92.9983, 0.2807, 0.3339



92.9983, 0.2842, 0.2921



92.9983, 0.3455, 0.3231

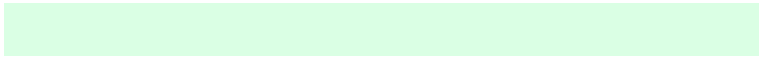


# Rectangle

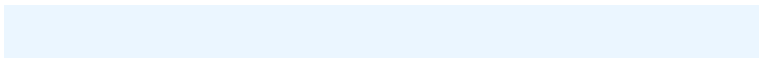
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.9983, 0.3411, 0.3675



92.9983, 0.3057, 0.3588



92.9983, 0.2842, 0.2921



92.9983, 0.3187, 0.3017

# Sweetspot

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



93.0024, 0.3411, 0.3675



97.9749, 0.3203, 0.3394



71.8686, 0.3422, 0.3213



20.9109, 0.3213, 0.3409



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

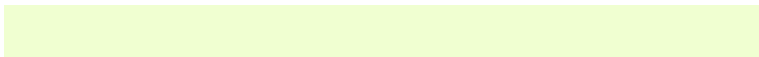
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.0024, 0.3411, 0.3675



91.5755, 0.3477, 0.3762



94.5909, 0.3299, 0.3755



20.5922, 0.3273, 0.3490



37.0072, 0.4490, 0.4817



3.7250, 0.4451, 0.4848



# Inverse Universe

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



69.9017, 0.2833, 0.2873



64.1837, 0.2761, 0.2769



68.7389, 0.2932, 0.2811



17.8235, 0.2979, 0.3082



4.6556, 0.1534, 0.0724

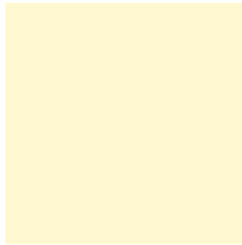


0.5778, 0.1581, 0.0893



# Previews

## White Background



This preview shows how the Yxy color 92.9983, 0.3411, 0.3675 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

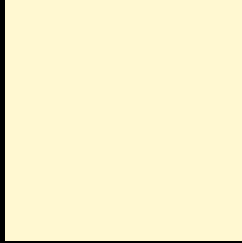
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.9983, 0.3411, 0.3675 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

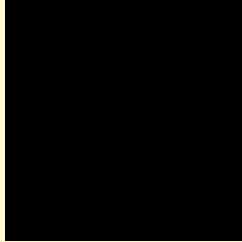
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 92.9983, 0.3411, 0.3675**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.9983, 0.3411, 0.3675.

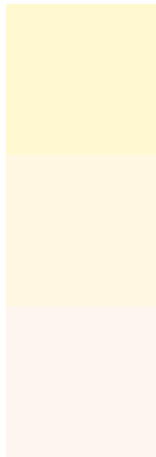


This preview shows how white text looks on a background with the Yxy color 92.9983, 0.3411, 0.3675.

# 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

92.9983, 0.3411, 0.3675

### Protanopia

93.2178, 0.3313, 0.3506

### Deuteranopia

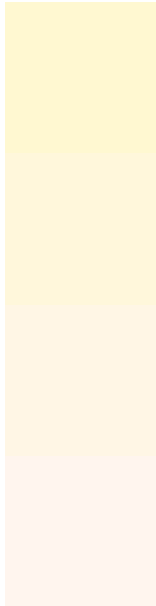
92.8561, 0.3222, 0.3339



## Tritanopia

93.1171, 0.3138, 0.3194

# Trichromacy



## Original Color

92.9983, 0.3411, 0.3675

## Protanomaly

92.8960, 0.3350, 0.3566

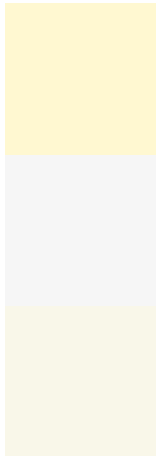
## Deuteranomaly

92.8287, 0.3289, 0.3457

## Tritanomaly

92.7379, 0.3235, 0.3358

# Monochromacy



## Original Color

92.9983, 0.3411, 0.3675

## Achromatopsia

92.1582, 0.3127, 0.3290

## Achromatomaly

92.5445, 0.3224, 0.3428

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.9983, 0.3411, 0.3675 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, 248, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 209)  
}
```

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, 248, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 92.9983, 0.3411, 0.3675 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, 248, 209) }
```

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

```
.border{ border-color:rgb(255, 248, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.9983, 0.3411, 0.3675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 209) }
```

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

```
.background{ background-color: rgb(255,  
248, 209) }
```

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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