

# Converting Colors

$Y_{xy}(92.9950, 0.3444, 0.3734)$

Have a look what the booklet for  
Yxy(92.9950, 0.3444, 0.3734)  
contains.

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# Color

**Yxy(92.7544, 0.3442, 0.3725)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF8CC
RGB	255, 248, 204
RGB Percent	100%, 97%, 80%
CMY	0.0000, 0.0274, 0.1998
CMYK	0.00, 0.03, 0.20, 0.00
HSL	52°, 100%, 90%
HSV	52°, 20%, 100%
XYZ	85.7076, 92.7544, 70.5431
YIQ	245.0770, 18.2960, -12.2000

# Conversions

## Conversions Part 2

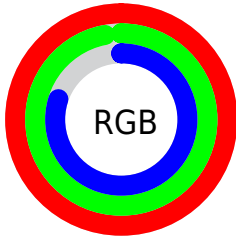
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 255, 204
Decimal	16775372
CIE Lab	97.13, -4.56, 21.99
CIE LCh	97, 22.458, 101.727
Yxy	92.7544, 0.3442, 0.3725
Android (android.graphics.Color)	4294965452 (0xFFFFF8CC)
YUV	245.0770, -20.2510, 8.7025
Hunter-Lab	96.3091, -9.6899, 23.9884

# Details

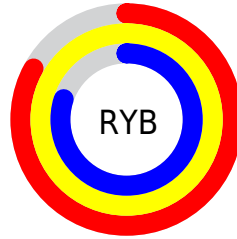
The Yxy color **92.7544, 0.3442, 0.3725** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.6678, 0.2797, 0.2814**, and the grayscale version is **91.5348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.9070, 0.3505, 0.3819** is the 20% darker color. If you saturate the color by 10%, you get **89.5040, 0.3610, 0.3948**, and if you desaturate by 10%, it is **96.2535, 0.3280, 0.3504**.

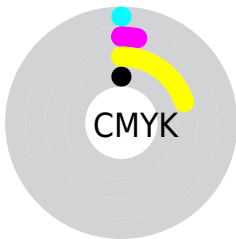
# Distribution



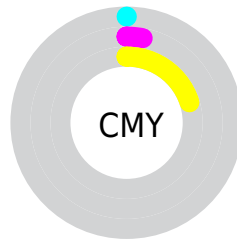
- Red (100%)
- Green (97%)
- Blue (80%)



- Red (83%)
- Yellow (100%)
- Blue (80%)



- Cyan (0%)
- Magenta (3%)
- Yellow (20%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.7544, 0.3442, 0.3725 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 92.7544, 0.3442, 0.3725 by changing the saturation by 10% instead.



 92.7544, 0.3442,  
0.3725

 92.7544, 0.3442,  
0.3725


536.9507, 0.3304,  
0.3531

 70.2674, 0.3472,  
0.3768

151.1585, 0.3396,  
0.3659

 51.7446, 0.3508,  
0.3819


187.8445, 0.3377,  
0.3633

 36.8015, 0.3552,  
0.3883


230.0321, 0.3361,  
0.3611

 25.0538, 0.3607,  
0.3964

278.1060, 0.3347,  
0.3591

 16.1172, 0.3677,  
0.4071

332.4503, 0.3334,  
0.3573

 9.6071, 0.3771,  
0.4215

393.4496, 0.3323,

 5.1392, 0.3899,

0.3558

0.4420

461.4883, 0.3313,  
0.3544

■ 2.3292, 0.4128,  
0.4788

■ 0.7891, 0.4473,  
0.5527

■ 92.7544, 0.3442,  
0.3725

■ 92.7544, 0.3442,  
0.3725

■ 89.5040, 0.3610,  
0.3948

■ 96.2535, 0.3280,  
0.3504

■ 86.4801, 0.3778,  
0.4165

99.9951, 0.3127,  
0.3290

■ 83.6758, 0.3941,  
0.4366

99.9977, 0.3127,  
0.3290

■ 81.0795, 0.4093,  
0.4541

■ 78.6780, 0.4225,  
0.4681

■ 76.4563, 0.4332,  
0.4778

■ 74.3966, 0.4410,  
0.4829

■ 72.4699, 0.4463,  
0.4838

■ 72.4654, 0.4463,  
0.4838

# Harmonies

## Analogous

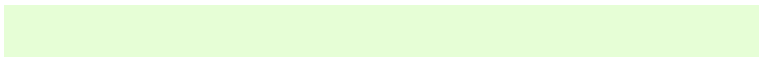
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.7544, 0.3593, 0.3621



92.7544, 0.3442, 0.3725



92.7544, 0.3210, 0.3707

# Triad

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



92.7544, 0.3442, 0.3725



92.7544, 0.2662, 0.3111



92.7544, 0.3283, 0.3038

# Complementary

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



92.7544, 0.3442, 0.3725



66.6678, 0.2797, 0.2814

# 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.



92.7544, 0.3029, 0.2911



92.7544, 0.3442, 0.3725



92.7544, 0.2679, 0.2944

# Square

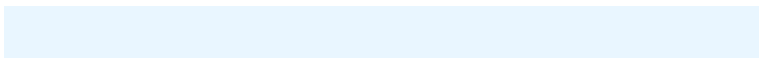
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.7544, 0.3442, 0.3725



92.7544, 0.2764, 0.3339



92.7544, 0.2811, 0.2876



92.7544, 0.3501, 0.3227

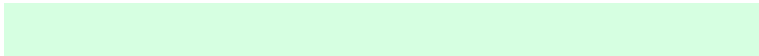


# Rectangle

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



92.7544, 0.3442, 0.3725



92.7544, 0.3042, 0.3624



92.7544, 0.2811, 0.2876



92.7544, 0.3199, 0.2987

# Sweetspot

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



92.7585, 0.3442, 0.3725



97.7228, 0.3218, 0.3417



69.2052, 0.3467, 0.3213



20.8648, 0.3228, 0.3431



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.



92.7585, 0.3442, 0.3725



91.4307, 0.3509, 0.3815



93.9062, 0.3312, 0.3809



20.6411, 0.3273, 0.3493



38.0330, 0.4458, 0.4843



3.8152, 0.4423, 0.4870



# Inverse Universe

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



66.6678, 0.2797, 0.2814



60.9921, 0.2723, 0.2704



65.9392, 0.2914, 0.2755



17.7791, 0.2979, 0.3078



4.5208, 0.1529, 0.0705

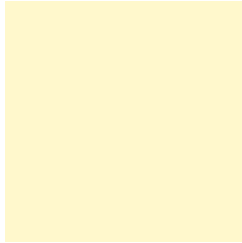


0.5570, 0.1574, 0.0865



# Previews

## White Background



This preview shows how the Yxy color 92.7544, 0.3442, 0.3725 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

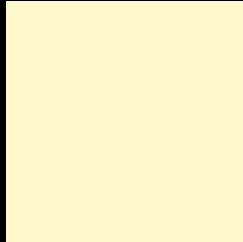
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.7544, 0.3442, 0.3725 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

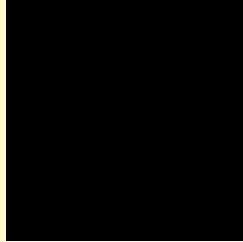
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 92.7544, 0.3442, 0.3725**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.7544, 0.3442, 0.3725.

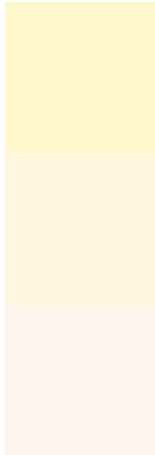


This preview shows how white text looks on a background with the Yxy color 92.7544, 0.3442, 0.3725.

# 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**

92.7544, 0.3442, 0.3725

**Protanopia**

92.4992, 0.3327, 0.3516

**Deuteranopia**

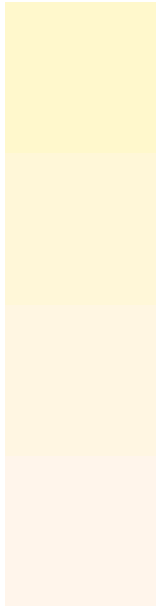
92.7968, 0.3229, 0.3349



## Tritanopia

92.4530, 0.3145, 0.3194

# Trichromacy



## Original Color

92.7544, 0.3442, 0.3725

## Protanomaly

92.7394, 0.3369, 0.3596

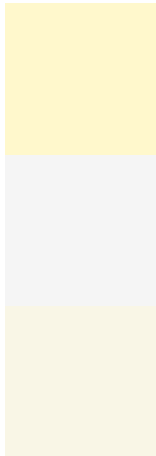
## Deuteranomaly

92.6625, 0.3308, 0.3486

## Tritanomaly

92.5630, 0.3253, 0.3388

# Monochromacy



## Original Color

92.7544, 0.3442, 0.3725

## Achromatopsia

91.3099, 0.3127, 0.3290

## Achromatomaly

91.7644, 0.3243, 0.3449

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.7544, 0.3442, 0.3725 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 92.7544, 0.3442, 0.3725 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, 204) }
```

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

```
.border{ border-color:rgb(255, 248, 204) }
```

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, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.7544, 0.3442, 0.3725 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, 204) }
```

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

```
.background{ background-color: rgb(255,  
248, 204) }
```

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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