

# Converting Colors

$Yxy(96.2357, 0.3381, 0.3476)$

Have a look what the booklet for  
Yxy(96.2357, 0.3381, 0.3476)  
contains.

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# Color

**Yxy(93.3830, 0.3294, 0.3476)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFF7E4
RGB	255, 247, 228
RGB Percent	100%, 97%, 89%
CMY	0.0002, 0.0313, 0.1058
CMYK	0.00, 0.03, 0.11, 0.00
HSL	42°, 100%, 95%
HSV	42°, 11%, 100%
XYZ	88.4936, 93.3830, 86.7742
YIQ	247.2260, 10.8670, -4.2130

# Conversions

## Conversions Part 2

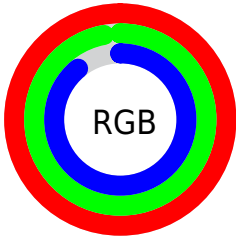
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 255, 228
Decimal	16775140
CIE Lab	97.38, -0.49, 10.06
CIE LCh	97, 10.072, 92.762
Yxy	93.3830, 0.3294, 0.3476
Android (android.graphics.Color)	4294965220 (0xFFFFF7E4)
YUV	247.2260, -9.4784, 6.8178
Hunter-Lab	96.6349, -5.6494, 14.4044

# Details

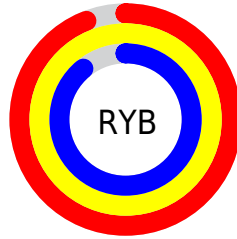
The Yxy color **93.3830, 0.3294, 0.3476** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **83.6802, 0.2962, 0.3097**, and the grayscale version is **93.2762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.2845, 0.3325, 0.3515** is the 20% darker color. If you saturate the color by 10%, you get **87.5714, 0.3467, 0.3660**, and if you desaturate by 10%, it is **99.5966, 0.3136, 0.3300**.

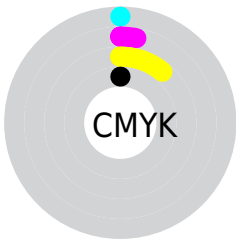
# Distribution



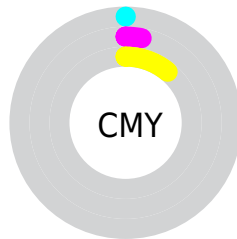
- Red (100%)
- Green (97%)
- Blue (89%)



- Red (94%)
- Yellow (100%)
- Blue (89%)



- Cyan (0%)
- Magenta (3%)
- Yellow (11%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.3830, 0.3294, 0.3476 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 93.3830, 0.3294, 0.3476 by changing the saturation by 10% instead.




 93.3830, 0.3294,  
0.3476

 93.3830, 0.3294,  
0.3476

538.9753, 0.3220,  
0.3394

 70.7899, 0.3310,  
0.3494


152.0288, 0.3269,  
0.3448

 52.1707, 0.3330,  
0.3516


188.8502, 0.3259,  
0.3437

 37.1412, 0.3354,  
0.3543


231.1832, 0.3251,  
0.3427

 25.3168, 0.3385,  
0.3577

279.4121, 0.3243,  
0.3419

 16.3133, 0.3425,  
0.3623

333.9214, 0.3236,  
0.3412

 9.7461, 0.3480,  
0.3685

395.0954, 0.3230,

 5.2309, 0.3560,

0.3405

0.3775

463.3186, 0.3225,  
0.3399

■ 2.3834, 0.3686,  
0.3917

■ 0.8173, 0.4325,  
0.4621

■ 93.3830, 0.3294,  
0.3476

■ 93.3830, 0.3294,  
0.3476

■ 87.5714, 0.3467,  
0.3660

99.5966, 0.3136,  
0.3300

■ 82.1384, 0.3654,  
0.3847

99.9911, 0.3127,  
0.3290

■ 77.0760, 0.3851,  
0.4031

■ 72.3715, 0.4053,  
0.4202

■ 68.0109, 0.4252,  
0.4351

■ 63.9790, 0.4440,  
0.4466

■ 60.2584, 0.4606,  
0.4537

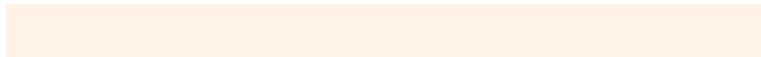
■ 56.8289, 0.4743,  
0.4558

■ 53.8304, 0.4845,  
0.4535

# Harmonies

## Analogous

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



93.3830, 0.3344, 0.3420



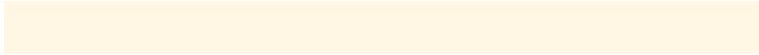
93.3830, 0.3294, 0.3476



93.3830, 0.3200, 0.3481

# Triad

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



93.3830, 0.3294, 0.3476



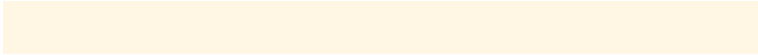
93.3830, 0.2924, 0.3242



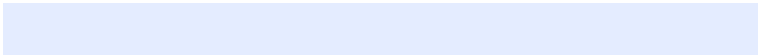
93.3830, 0.3165, 0.3153

# Complementary

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



93.3830, 0.3294, 0.3476



83.6802, 0.2962, 0.3097

# Split Complementary

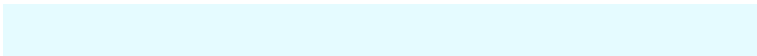
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.3830, 0.3052, 0.3106



93.3830, 0.3294, 0.3476



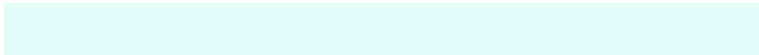
93.3830, 0.2915, 0.3155

# Square

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



93.3830, 0.3294, 0.3476



93.3830, 0.2987, 0.3345



93.3830, 0.2961, 0.3107

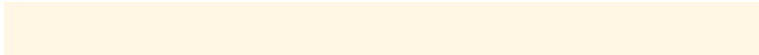


93.3830, 0.3269, 0.3235

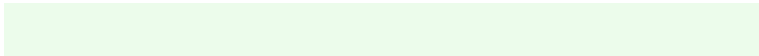


# Rectangle

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



93.3830, 0.3294, 0.3476



93.3830, 0.3125, 0.3455



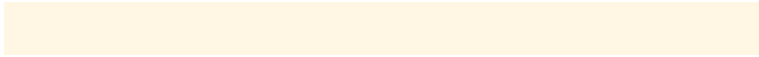
93.3830, 0.2961, 0.3107



93.3830, 0.3127, 0.3133

# Sweetspot

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



93.3871, 0.3294, 0.3476



98.0875, 0.3173, 0.3342



82.8122, 0.3262, 0.3211



20.8867, 0.3185, 0.3356



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

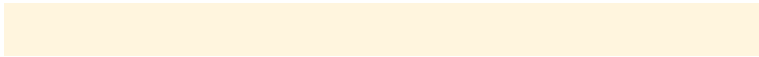


# Same Dimension

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



93.3871, 0.3294, 0.3476



91.9723, 0.3335, 0.3520



97.3369, 0.3250, 0.3554



20.1337, 0.3277, 0.3457



28.4109, 0.4832, 0.4546

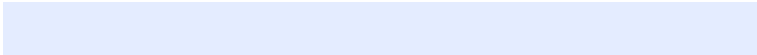


2.9560, 0.4741, 0.4617



# Inverse Universe

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



83.6802, 0.2962, 0.3097



80.2232, 0.2922, 0.3049



80.1084, 0.2996, 0.3018



18.2497, 0.2979, 0.3117



6.6343, 0.1606, 0.0981

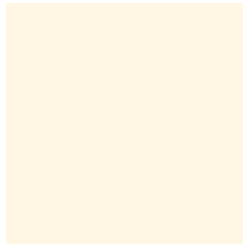


0.8257, 0.1667, 0.1199



# Previews

## White Background



This preview shows how the Yxy color 93.3830, 0.3294, 0.3476 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

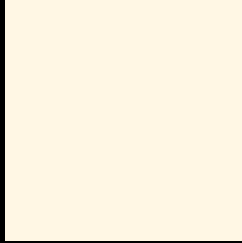
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.3830, 0.3294, 0.3476 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

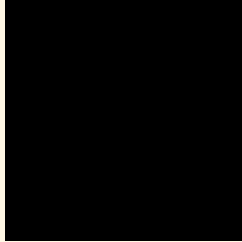
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 93.3830, 0.3294, 0.3476**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.3830, 0.3294, 0.3476.

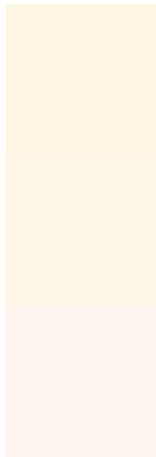


This preview shows how white text looks on a background with the Yxy color 93.3830, 0.3294, 0.3476.

# 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

93.3830, 0.3294, 0.3476

### Protanopia

93.5511, 0.3276, 0.3446

### Deuteranopia

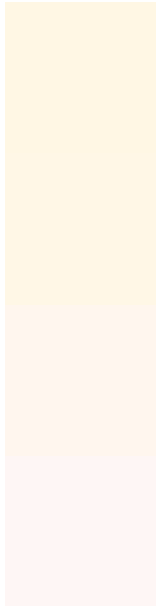
93.6426, 0.3203, 0.3319



## Tritanopia

93.5956, 0.3125, 0.3194

# Trichromacy



## Original Color

93.3830, 0.3294, 0.3476

## Protanomaly

93.4947, 0.3282, 0.3456

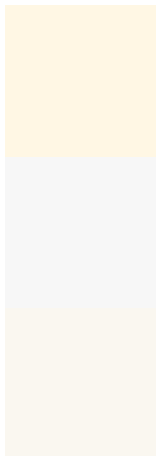
## Deuteranomaly

93.3446, 0.3234, 0.3368

## Tritanomaly

93.5749, 0.3185, 0.3300

# Monochromacy



## Original Color

93.3830, 0.3294, 0.3476

## Achromatopsia

93.0111, 0.3127, 0.3290

## Achromatomaly

93.1368, 0.3188, 0.3359

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.3830, 0.3294, 0.3476 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, 247, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 228)  
}
```

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, 247, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 93.3830, 0.3294, 0.3476 is called "border". The border property can be set on classes, ids or directly on the HTML element.

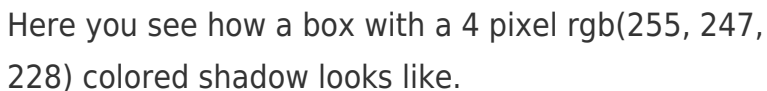
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 247, 228) }
```

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

```
.border{ border-color:rgb(255, 247, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 247, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 247, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 247, 228); box-shadow:4px 4px 4px 4px rgb(255, 247, 228) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.3830, 0.3294, 0.3476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 228) }
```

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

```
.background{ background-color: rgb(255,  
247, 228) }
```

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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