

# Converting Colors

Yxy(107.6783, 0.3718, 0.3437)

Have a look what the booklet for  
Yxy(107.6783, 0.3718, 0.3437)  
contains.

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# **Color**

**Yxy(93.4387, 0.3288, 0.3466)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF7E5
RGB	255, 247, 229
RGB Percent	100%, 97%, 90%
CMY	0.0001, 0.0313, 0.1019
CMYK	0.00, 0.03, 0.10, 0.00
HSL	42°, 100%, 95%
HSV	42°, 10%, 100%
XYZ	88.6401, 93.4387, 87.5078
YIQ	247.3400, 10.5460, -3.9020

# Conversions

## Conversions Part 2

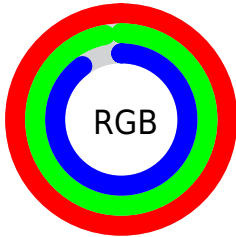
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	241, 255, 229
Decimal	16775141
CIE <sub>Lab</sub>	97.41, -0.31, 9.58
CIE <sub>LCh</sub>	97, 9.583, 91.873
Yxy	93.4387, 0.3288, 0.3466
Android (android.graphics.Color)	4294965221 (0xFFFFF7E5)
YUV	247.3400, -9.0416, 6.7178
Hunter-Lab	96.6637, -5.4780, 13.9905

# Details

The Yxy color **93.4387, 0.3288, 0.3466** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.4438, 0.2968, 0.3108**, and the grayscale version is **93.3731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.3234, 0.3317, 0.3502** is the 20% darker color. If you saturate the color by 10%, you get **87.4335, 0.3462, 0.3647**, and if you desaturate by 10%, it is **99.8623, 0.3130, 0.3293**.

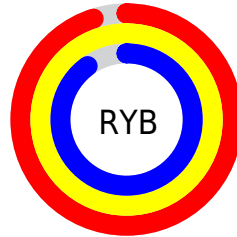
# Distribution



Red (100%)

Green (97%)

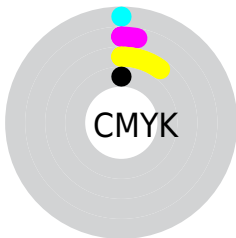
Blue (90%)



Red (95%)

Yellow (100%)

Blue (90%)

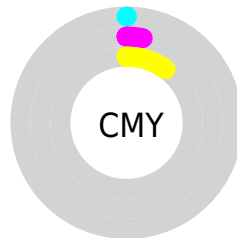


Cyan (0%)

Magenta (3%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (3%)


Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.4387, 0.3288, 0.3466 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 93.4387, 0.3288, 0.3466 by changing the saturation by 10% instead.



 93.4387, 0.3288,  
0.3466

 93.4387, 0.3288,  
0.3466


539.1545, 0.3217,  
0.3388

 70.8362, 0.3304,  
0.3483

152.1058, 0.3264,  
0.3440

 52.2085, 0.3322,  
0.3504


188.9393, 0.3254,  
0.3429

 37.1713, 0.3346,  
0.3529


231.2851, 0.3246,  
0.3420

 25.3402, 0.3375,  
0.3562

279.5278, 0.3239,  
0.3412

 16.3307, 0.3414,  
0.3605

334.0516, 0.3232,  
0.3405

 9.7584, 0.3468,  
0.3663

395.2411, 0.3227,

 5.2391, 0.3545,

0.3399

0.3749

463.4806, 0.3221,  
0.3393

■ 2.3882, 0.3667,  
0.3883

■ 0.8198, 0.4252,  
0.4518

■ 93.4387, 0.3288,  
0.3466

■ 93.4387, 0.3288,  
0.3466

■ 87.4335, 0.3462,  
0.3647

99.8623, 0.3130,  
0.3293

■ 81.8228, 0.3649,  
0.3831

99.9961, 0.3127,  
0.3290

■ 76.5986, 0.3848,  
0.4012

■ 71.7477, 0.4054,  
0.4182

■ 67.2561, 0.4257,  
0.4330

■ 63.1081, 0.4451,  
0.4444

■ 59.2861, 0.4623,  
0.4514

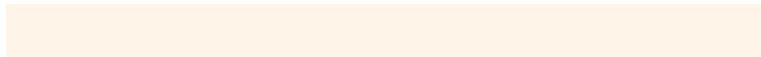
■ 55.7699, 0.4767,  
0.4534

■ 52.5834, 0.4878,  
0.4509

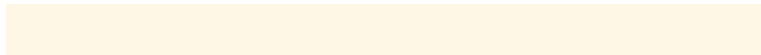
# Harmonies

## Analogous

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



93.4387, 0.3334, 0.3412



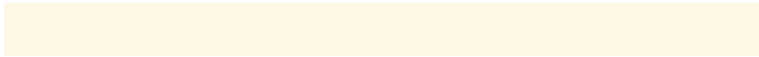
93.4387, 0.3288, 0.3466



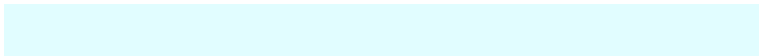
93.4387, 0.3199, 0.3473

# Triad

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



93.4387, 0.3288, 0.3466



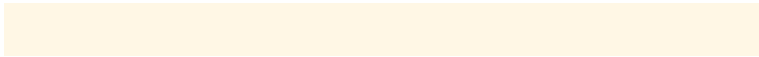
93.4387, 0.2935, 0.3247



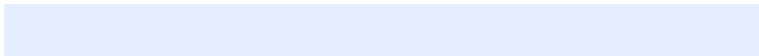
93.4387, 0.3160, 0.3158

# Complementary

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



93.4387, 0.3288, 0.3466



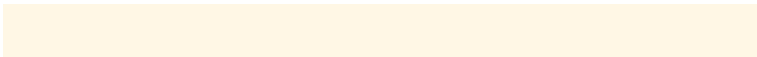
84.4438, 0.2968, 0.3108

# Split Complementary

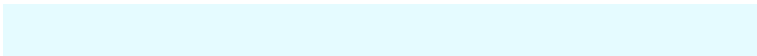
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.4387, 0.3053, 0.3114



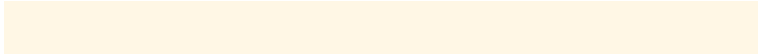
93.4387, 0.3288, 0.3466



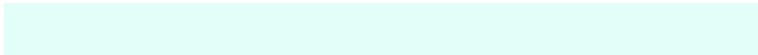
93.4387, 0.2925, 0.3164

# Square

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



93.4387, 0.3288, 0.3466



93.4387, 0.2996, 0.3345



93.4387, 0.2967, 0.3116

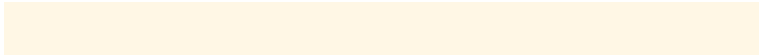


93.4387, 0.3259, 0.3235

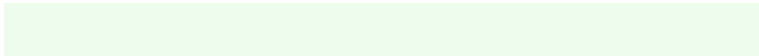


# Rectangle

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



93.4387, 0.3288, 0.3466



93.4387, 0.3128, 0.3448



93.4387, 0.2967, 0.3116



93.4387, 0.3124, 0.3139

# Sweetspot

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



93.4428, 0.3288, 0.3466



98.0278, 0.3173, 0.3341



83.4360, 0.3253, 0.3209



20.8705, 0.3185, 0.3355



0.0000, 0.0000, 0.0000

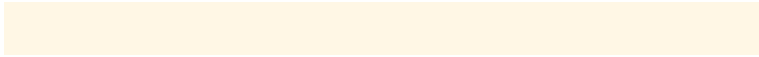


21.4041, 0.3127, 0.3290

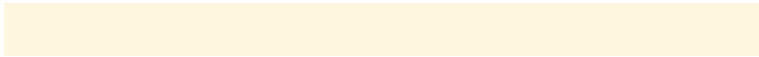


# Same Dimension

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



93.4428, 0.3288, 0.3466



92.3357, 0.3318, 0.3498



97.5301, 0.3249, 0.3544



20.0943, 0.3277, 0.3454



27.7578, 0.4864, 0.4520



2.8964, 0.4769, 0.4596

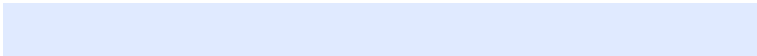


# Inverse Universe

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



84.4438, 0.2968, 0.3108



81.8596, 0.2938, 0.3073



80.7254, 0.2998, 0.3028



18.2871, 0.2979, 0.3120



6.8710, 0.1614, 0.1010

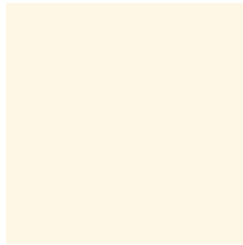


0.8526, 0.1675, 0.1230



# Previews

## White Background



This preview shows how the Yxy color 93.4387, 0.3288, 0.3466 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 93.4387, 0.3288, 0.3466 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 93.4387, 0.3288, 0.3466**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.4387, 0.3288, 0.3466.

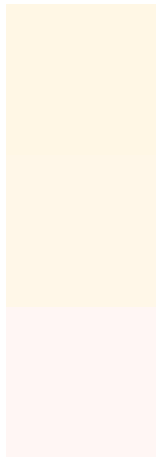


This preview shows how white text looks on a background with the Yxy color 93.4387, 0.3288, 0.3466.

# 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

93.4387, 0.3288, 0.3466

### Protanopia

93.6077, 0.3270, 0.3437

### Deuteranopia

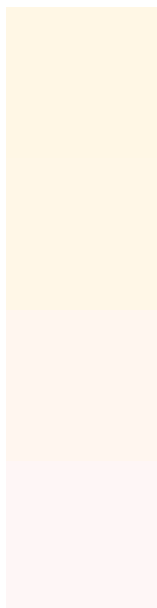
93.7032, 0.3197, 0.3310



## Tritanopia

93.5956, 0.3125, 0.3194

# Trichromacy



## Original Color

93.4387, 0.3288, 0.3466

## Protanomaly

93.5511, 0.3276, 0.3446

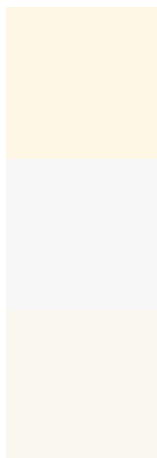
## Deuteranomaly

93.4035, 0.3228, 0.3358

## Tritanomaly

93.6362, 0.3179, 0.3290

# Monochromacy



## Original Color

93.4387, 0.3288, 0.3466

## 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  $Yxy$  93.4387, 0.3288, 0.3466 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  $rgb(255, 247, 229)$  looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 93.4387, 0.3288, 0.3466 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, 229) }
```

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

```
.border{ border-color:rgb(255, 247, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.4387, 0.3288, 0.3466 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, 229) }
```

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

```
.background{ background-color: rgb(255,  
247, 229) }
```

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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