

# Converting Colors

$Y_{xy}(93.4502, 0.3440, 0.3736)$

Have a look what the booklet for  
Yxy(93.4502, 0.3440, 0.3736)  
contains.

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# Color

**Yxy(93.3710, 0.3441, 0.3735)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF9CC
RGB	255, 249, 204
RGB Percent	100%, 98%, 80%
CMY	0.0000, 0.0235, 0.2001
CMYK	0.00, 0.02, 0.20, 0.00
HSL	53°, 100%, 90%
HSV	53°, 20%, 100%
XYZ	86.0213, 93.3710, 70.5970
YIQ	245.6640, 18.0210, -12.7230

# Conversions

## Conversions Part 2

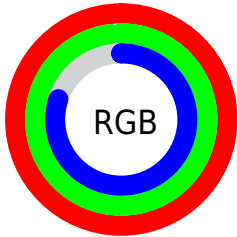
Format	Color
<a href="#">RYB</a>	<a href="#">211, 255, 204</a>
Decimal	<a href="#">16775628</a>
CIELab	<a href="#">97.38, -5.05, 22.38</a>
CIELCh	<a href="#">97, 22.940, 102.728</a>
Yxy	<a href="#">93.3710, 0.3441, 0.3735</a>
Android (android.graphics.Color)	<a href="#">4294965708</a> ( <a href="#">0xFFFFF9CC</a> )
YUV	<a href="#">245.6640, -20.5404, 8.1877</a>
Hunter-Lab	<a href="#">96.6287, -10.1949, 24.3228</a>

# Details

The Yxy color **93.3710, 0.3441, 0.3735** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.1343, 0.2796, 0.2802**, and the grayscale version is **92.0272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.3477, 0.3503, 0.3831** is the 20% darker color. If you saturate the color by 10%, you get **90.4042, 0.3606, 0.3962**, and if you desaturate by 10%, it is **96.5628, 0.3280, 0.3509**.

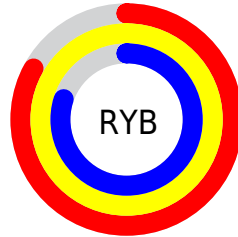
# Distribution



Red (100%)

Green (98%)

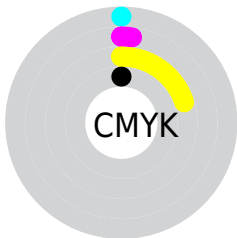
Blue (80%)



Red (83%)

Yellow (100%)

Blue (80%)

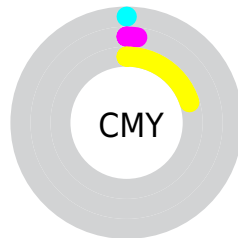


Cyan (0%)

Magenta (2%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.3710, 0.3441, 0.3735 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 93.3710, 0.3441, 0.3735 by changing the saturation by 10% instead.



 93.3710, 0.3441,  
0.3735

 93.3710, 0.3441,  
0.3735

538.9367, 0.3304,  
0.3537

 70.7799, 0.3470,  
0.3778


152.0121, 0.3395,  
0.3668

 52.1626, 0.3506,  
0.3831


188.8310, 0.3377,  
0.3641

 37.1347, 0.3550,  
0.3897


231.1612, 0.3360,  
0.3618

 25.3118, 0.3604,  
0.3979

279.3872, 0.3346,  
0.3598

 16.3095, 0.3674,  
0.4088

333.8933, 0.3334,  
0.3580

 9.7434, 0.3766,  
0.4235


395.0640, 0.3323,


 5.2292, 0.3891,


0.3564


0.4444

463.2837, 0.3313,  
0.3550


 2.3824, 0.4112,  
0.4816

 0.8168, 0.4443,  
0.5557

 93.3710, 0.3441,  
0.3735


 93.3710, 0.3441,  
0.3735

 90.4042, 0.3606,  
0.3962

 96.5628, 0.3280,  
0.3509

 87.6599, 0.3771,  
0.4183

99.9962, 0.3127,  
0.3290

 85.1249, 0.3930,  
0.4387

100.0000, 0.3127,  
0.3290

 82.7876, 0.4076,  
0.4565

■ 80.6349, 0.4202,  
0.4707

■ 78.6518, 0.4302,  
0.4806

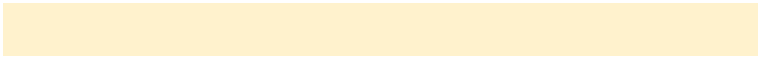
■ 76.8206, 0.4374,  
0.4859

■ 75.1140, 0.4421,  
0.4872

# Harmonies

## Analogous

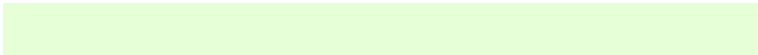
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.3710, 0.3599, 0.3632



93.3710, 0.3441, 0.3735



93.3710, 0.3202, 0.3713

# Triad

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



93.3710, 0.3441, 0.3735



93.3710, 0.2652, 0.3100



93.3710, 0.3294, 0.3039

# Complementary

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



93.3710, 0.3441, 0.3735



66.1343, 0.2796, 0.2802

# 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.



93.3710, 0.3036, 0.2907



93.3710, 0.3441, 0.3735



93.3710, 0.2673, 0.2934

# Square

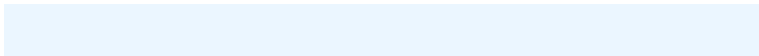
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.3710, 0.3441, 0.3735



93.3710, 0.2751, 0.3332



93.3710, 0.2811, 0.2867



93.3710, 0.3514, 0.3232

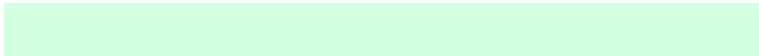


# Rectangle

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



93.3710, 0.3441, 0.3735



93.3710, 0.3032, 0.3625



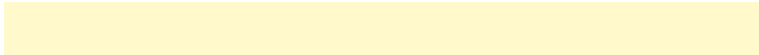
93.3710, 0.2811, 0.2867



93.3710, 0.3209, 0.2986

# Sweetspot

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



93.3685, 0.3441, 0.3735



97.9106, 0.3218, 0.3420



69.1248, 0.3475, 0.3221



20.9094, 0.3228, 0.3435



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

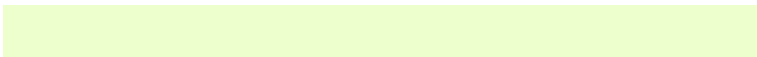
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.3685, 0.3441, 0.3735



92.1589, 0.3506, 0.3826



93.7609, 0.3306, 0.3811



20.7044, 0.3272, 0.3498



39.3937, 0.4417, 0.4875



3.9344, 0.4388, 0.4898



# Inverse Universe

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



66.1343, 0.2796, 0.2802



60.4354, 0.2722, 0.2691



66.0305, 0.2919, 0.2755



17.7217, 0.2979, 0.3073



4.3655, 0.1523, 0.0684

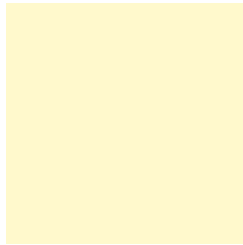


0.5301, 0.1564, 0.0829



# Previews

## White Background



This preview shows how the Yxy color 93.3710, 0.3441, 0.3735 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 93.3710, 0.3441, 0.3735 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

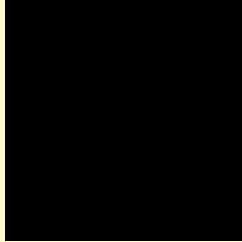
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 93.3710, 0.3441, 0.3735**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.3710, 0.3441, 0.3735.

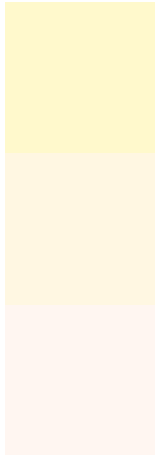


This preview shows how white text looks on a background with the Yxy color 93.3710, 0.3441, 0.3735.

# 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

93.3710, 0.3441, 0.3735

### Protanopia

93.2725, 0.3307, 0.3496

### Deuteranopia

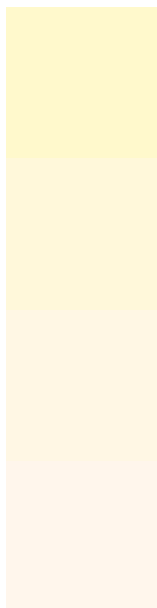
93.5224, 0.3216, 0.3339



## Tritanopia

93.1171, 0.3138, 0.3194

# Trichromacy



## Original Color

93.3710, 0.3441, 0.3735

## Protanomaly

93.4568, 0.3355, 0.3585

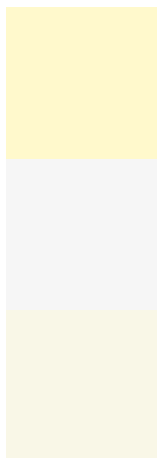
## Deuteranomaly

93.3830, 0.3294, 0.3476

## Tritanomaly

93.2277, 0.3246, 0.3388

# Monochromacy



## Original Color

93.3710, 0.3441, 0.3735

## Achromatopsia

92.1582, 0.3127, 0.3290

## Achromatomaly

92.4308, 0.3236, 0.3448

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.3710, 0.3441, 0.3735 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, 249, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 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, 249, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 93.3710, 0.3441, 0.3735 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, 249, 204) }
```

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

```
.border{ border-color:rgb(255, 249, 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, 249, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.3710, 0.3441, 0.3735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 204) }
```

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

```
.background{ background-color: rgb(255,  
249, 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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