

# Converting Colors

$Y_{xy}(100.0000, 0.3457, 0.3395)$

Have a look what the booklet for  
Yxy(100.0000, 0.3457, 0.3395)  
contains.

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# Color

**Yxy(93.7797, 0.3251, 0.3407)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFF7EB
RGB	255, 247, 235
RGB Percent	100%, 97%, 92%
CMY	0.0002, 0.0313, 0.0784
CMYK	0.00, 0.03, 0.08, 0.00
HSL	36°, 100%, 96%
HSV	36°, 8%, 100%
XYZ	89.4857, 93.7797, 91.9905
YIQ	248.0240, 8.6200, -2.0360

# Conversions

## Conversions Part 2

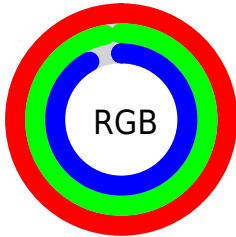
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	248, 255, 235
Decimal	16775147
CIE Lab	97.54, 0.64, 6.69
CIE LCh	98, 6.724, 84.526
Yxy	93.7797, 0.3251, 0.3407
Android (android.graphics.Color)	4294965227 (0xFFFFF7EB)
YUV	248.0240, -6.4208, 6.1180
Hunter-Lab	96.8399, -4.5255, 11.4670

# Details

The Yxy color 93.7797, 0.3251, 0.3407 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.9545, 0.3006, 0.3170, and the grayscale version is 93.9372, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 52.5220, 0.3278, 0.3439 is the 20% darker color. If you saturate the color by 10%, you get 86.3738, 0.3426, 0.3564, and if you desaturate by 10%, it is 99.9921, 0.3127, 0.3290.

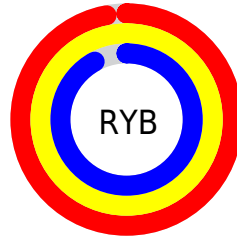
# Distribution



Red (100%)

Green (97%)

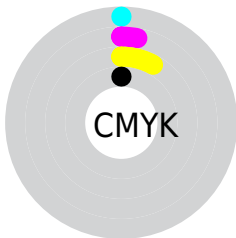
Blue (92%)



Red (97%)

Yellow (100%)

Blue (92%)

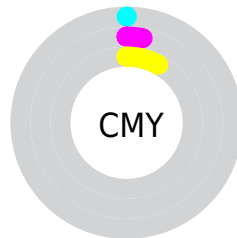


Cyan (0%)

Magenta (3%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (3%)


Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.7797, 0.3251, 0.3407 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 93.7797, 0.3251, 0.3407 by changing the saturation by 10% instead.




 93.7797, 0.3251,  
0.3407

 93.7797, 0.3251,  
0.3407


540.2509, 0.3196,  
0.3355

 71.1197, 0.3263,  
0.3418


152.5776, 0.3232,  
0.3390

 52.4399, 0.3278,  
0.3432


189.4844, 0.3225,  
0.3383

 37.3558, 0.3296,  
0.3449


231.9089, 0.3219,  
0.3377

 25.4831, 0.3318,  
0.3470

280.2355, 0.3213,  
0.3371

 16.4374, 0.3349,  
0.3498

334.8486, 0.3208,  
0.3367

 9.8342, 0.3390,  
0.3537

396.1326, 0.3204,

 5.2891, 0.3450,

0.3363

0.3593

464.4719, 0.3200,  
0.3359

■ 2.4179, 0.3546,  
0.3682

■ 0.8351, 0.3880,  
0.4004

■ 93.7797, 0.3251,  
0.3407

■ 93.7797, 0.3251,  
0.3407

■ 86.3738, 0.3426,  
0.3564

99.9921, 0.3127,  
0.3290

■ 79.4987, 0.3621,  
0.3725

■ 73.1434, 0.3834,  
0.3887

■ 67.2921, 0.4061,  
0.4040

■ 61.9276, 0.4296,  
0.4176

■ 57.0314, 0.4530,  
0.4282

■ 52.5832, 0.4750,  
0.4346

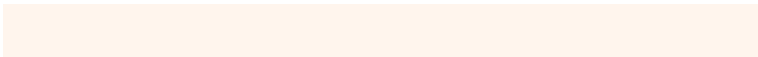
■ 48.5598, 0.4944,  
0.4359

■ 44.9322, 0.5102,  
0.4318

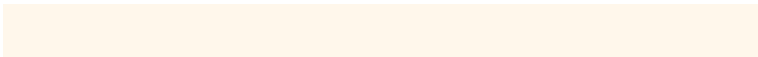
# Harmonies

## Analogous

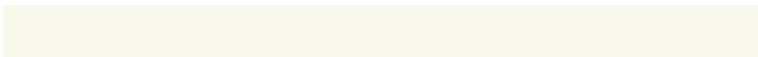
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.7797, 0.3274, 0.3363



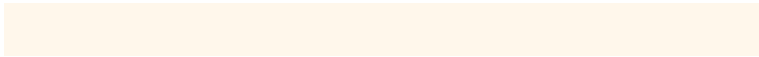
93.7797, 0.3251, 0.3407



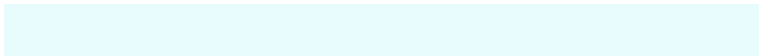
93.7797, 0.3195, 0.3420

# Triad

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



93.7797, 0.3251, 0.3407



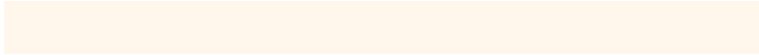
93.7797, 0.3000, 0.3277



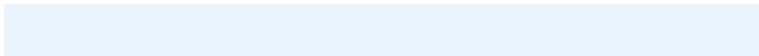
93.7797, 0.3132, 0.3187

# Complementary

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



93.7797, 0.3251, 0.3407



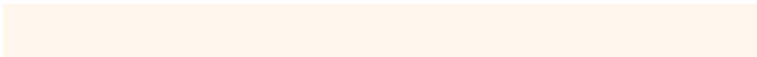
88.9545, 0.3006, 0.3170

# Split Complementary

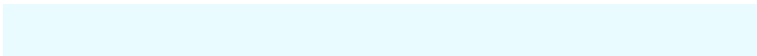
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.7797, 0.3059, 0.3164



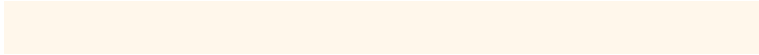
93.7797, 0.3251, 0.3407



93.7797, 0.2983, 0.3215

# Square

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



93.7797, 0.3251, 0.3407



93.7797, 0.3050, 0.3344



93.7797, 0.3004, 0.3173

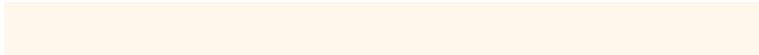


93.7797, 0.3204, 0.3237



# Rectangle

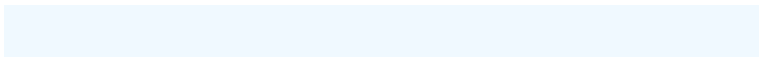
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



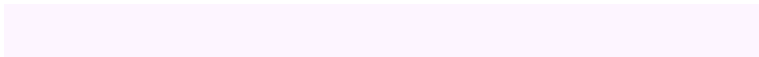
93.7797, 0.3251, 0.3407



93.7797, 0.3147, 0.3408



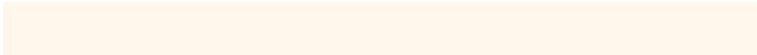
93.7797, 0.3004, 0.3173



93.7797, 0.3106, 0.3176

# Sweetspot

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



93.7838, 0.3251, 0.3407



98.3874, 0.3158, 0.3319



87.1466, 0.3211, 0.3212



21.0759, 0.3156, 0.3318



0.0000, 0.0000, 0.0000

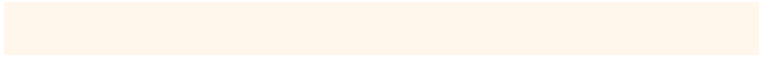


21.4041, 0.3127, 0.3290

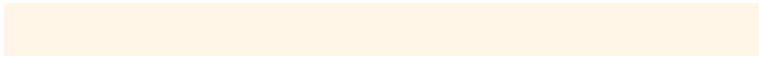


# Same Dimension

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



93.7838, 0.3251, 0.3407



92.9180, 0.3271, 0.3425



98.3681, 0.3231, 0.3483



19.8061, 0.3279, 0.3433



23.3972, 0.5114, 0.4321

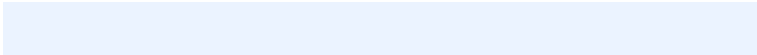


2.4918, 0.4981, 0.4427



# Inverse Universe

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



88.9545, 0.3006, 0.3170



87.4049, 0.2987, 0.3151



84.6471, 0.3019, 0.3091



18.5643, 0.2979, 0.3143



8.9597, 0.1681, 0.1253

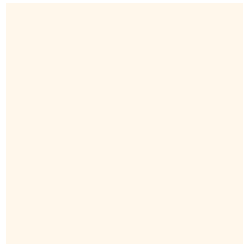


1.0788, 0.1744, 0.1476



# Previews

## White Background



This preview shows how the Yxy color 93.7797, 0.3251, 0.3407 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

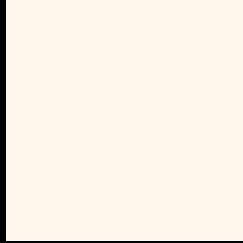
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.7797, 0.3251, 0.3407 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

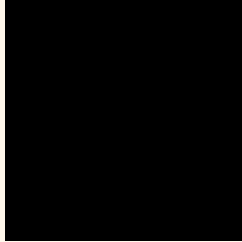
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 93.7797, 0.3251, 0.3407**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.7797, 0.3251, 0.3407.

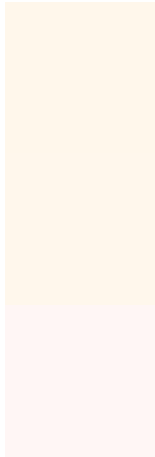


This preview shows how white text looks on a background with the Yxy color 93.7797, 0.3251, 0.3407.

# 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

93.7797, 0.3251, 0.3407

### Protanopia

93.8377, 0.3245, 0.3397

### Deuteranopia

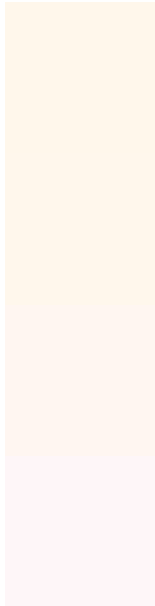
93.7641, 0.3191, 0.3300



## Tritanopia

94.0142, 0.3118, 0.3204

# Trichromacy



## Original Color

93.7797, 0.3251, 0.3407

## Protanomaly

93.8377, 0.3245, 0.3397

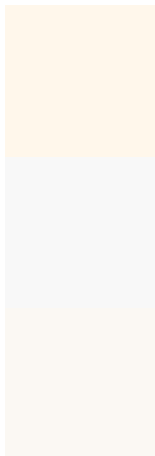
## Deuteranomaly

93.5224, 0.3216, 0.3339

## Tritanomaly

93.7597, 0.3167, 0.3271

# Monochromacy



## Original Color

93.7797, 0.3251, 0.3407

## Achromatopsia

93.8686, 0.3127, 0.3290

## Achromatomaly

94.1151, 0.3176, 0.3339

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.7797, 0.3251, 0.3407 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 93.7797, 0.3251, 0.3407 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, 235) }
```

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

```
.border{ border-color:rgb(255, 247, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.7797, 0.3251, 0.3407 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, 235) }
```

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

```
.background{ background-color: rgb(255,  
247, 235) }
```

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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