

# Converting Colors

$Y_{xy}(100.0000, 0.3394, 0.3311)$

Have a look what the booklet for  
Yxy(100.0000, 0.3394, 0.3311)  
contains.

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# Color

**Yxy(93.7032, 0.3197, 0.3310)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFF6F4
RGB	255, 246, 244
RGB Percent	100%, 96%, 96%
CMY	0.0002, 0.0352, 0.0432
CMYK	0.00, 0.03, 0.04, 0.00
HSL	11°, 99%, 98%
HSV	11°, 4%, 100%
XYZ	90.5043, 93.7032, 98.8838
YIQ	248.4630, 6.0060, 1.2860

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 246, 244
Decimal	16774900
CIE Lab	97.51, 2.63, 2.03
CIE LCh	98, 3.320, 37.706
Yxy	93.7032, 0.3197, 0.3310
Android (android.graphics.Color)	4294964980 (0xFFFFF6F4)
YUV	248.4630, -2.2003, 5.7329
Hunter-Lab	96.8004, -2.5108, 7.1942

# Details

The Yxy color 93.7032, 0.3197, 0.3310 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96.6224, 0.3060, 0.3270, and the grayscale version is 94.2779, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 52.4635, 0.3208, 0.3315 is the 20% darker color. If you saturate the color by 10%, you get 80.3531, 0.3384, 0.3359, and if you desaturate by 10%, it is 99.9881, 0.3127, 0.3290.

# Distribution



Red (100%)

Green (96%)

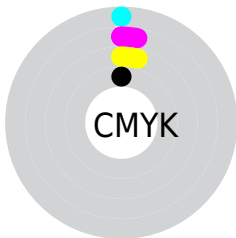
Blue (96%)



Red (100%)

Yellow (96%)

Blue (96%)



Cyan (0%)

Magenta (3%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.7032, 0.3197, 0.3310 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 93.7032, 0.3197, 0.3310 by changing the saturation by 10% instead.



 93.7032, 0.3197,  
0.3310

 93.7032, 0.3197,  
0.3310


540.0050, 0.3166,  
0.3301

 71.0561, 0.3204,  
0.3312


152.4718, 0.3187,  
0.3307

 52.3880, 0.3212,  
0.3314


189.3621, 0.3182,  
0.3306

 37.3144, 0.3222,  
0.3317


231.7690, 0.3179,  
0.3305

 25.4510, 0.3235,  
0.3320

280.0767, 0.3176,  
0.3304

 16.4134, 0.3252,  
0.3325

334.6698, 0.3173,  
0.3303

 9.8172, 0.3276,  
0.3331

395.9327, 0.3170,

 5.2779, 0.3310,

0.3303

0.3340

464.2496, 0.3168,  
0.3302

■ 2.4112, 0.3365,  
0.3354

■ 0.8317, 0.3489,  
0.3395

■ 93.7032, 0.3197,  
0.3310

■ 93.7032, 0.3197,  
0.3310

■ 80.3531, 0.3384,  
0.3359

99.9881, 0.3127,  
0.3290

■ 68.5645, 0.3611,  
0.3411

■ 58.2836, 0.3884,  
0.3464

■ 49.4492, 0.4210,  
0.3515

■ 41.9956, 0.4585,  
0.3557

■ 35.8522, 0.5000,  
0.3583

■ 30.9418, 0.5423,  
0.3583

■ 27.1789, 0.5810,  
0.3549

■ 24.4665, 0.6105,  
0.3483

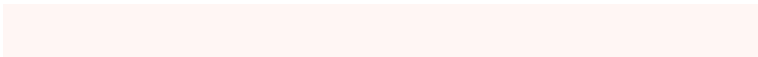
# Harmonies

## Analogous

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



93.7032, 0.3178, 0.3277



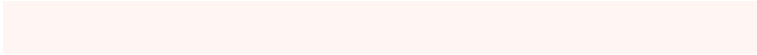
93.7032, 0.3197, 0.3310



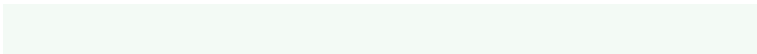
93.7032, 0.3197, 0.3338

# Triad

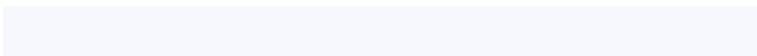
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.7032, 0.3197, 0.3310



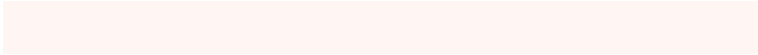
93.7032, 0.3108, 0.3333



93.7032, 0.3077, 0.3228

# Complementary

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



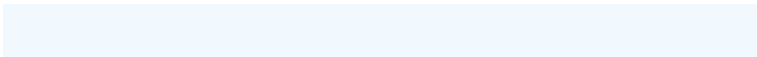
93.7032, 0.3197, 0.3310



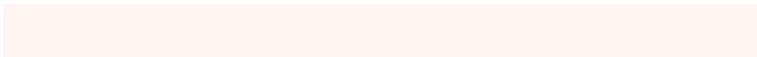
96.6224, 0.3060, 0.3270

# 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.



93.7032, 0.3058, 0.3242



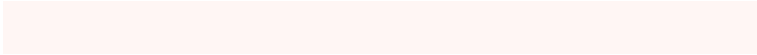
93.7032, 0.3197, 0.3310



93.7032, 0.3076, 0.3303

# Square

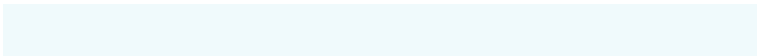
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



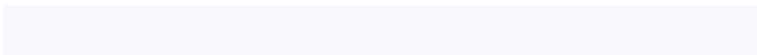
93.7032, 0.3197, 0.3310



93.7032, 0.3145, 0.3351



93.7032, 0.3058, 0.3270

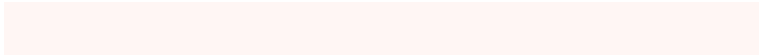


93.7032, 0.3109, 0.3230

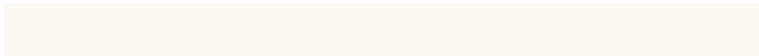


# Rectangle

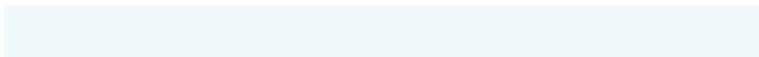
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



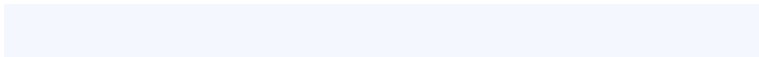
93.7032, 0.3197, 0.3310



93.7032, 0.3186, 0.3349



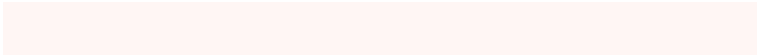
93.7032, 0.3058, 0.3270



93.7032, 0.3069, 0.3231

# Sweetspot

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



93.7073, 0.3197, 0.3310



98.5217, 0.3143, 0.3295



93.0222, 0.3144, 0.3204



21.1033, 0.3142, 0.3294



0.0000, 0.0000, 0.0000

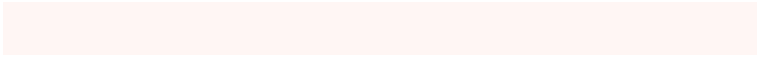


21.4041, 0.3127, 0.3290

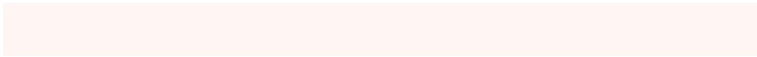


# Same Dimension

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



93.7073, 0.3197, 0.3310



92.7717, 0.3209, 0.3313



97.0643, 0.3193, 0.3362



19.6465, 0.3221, 0.3317



12.3595, 0.6202, 0.3457

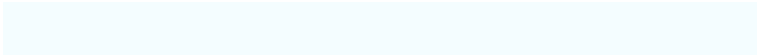


1.3431, 0.6002, 0.3617

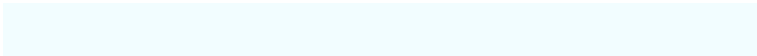


# Inverse Universe

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



96.6224, 0.3060, 0.3270



96.1475, 0.3049, 0.3267



93.2400, 0.3061, 0.3217



20.4667, 0.3039, 0.3263



27.3599, 0.2077, 0.2678

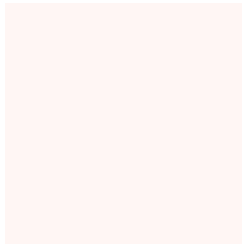


2.8065, 0.2099, 0.2755



# Previews

## White Background



This preview shows how the Yxy color 93.7032, 0.3197, 0.3310 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

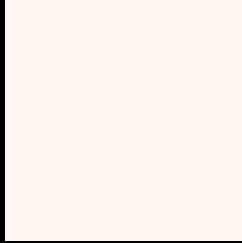
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.7032, 0.3197, 0.3310 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

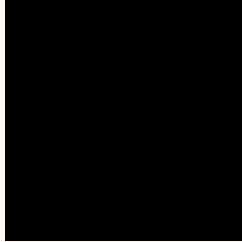
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 93.7032, 0.3197, 0.3310**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.7032, 0.3197, 0.3310.



This preview shows how white text looks on a background with the Yxy color 93.7032, 0.3197, 0.3310.

# 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

93.7032, 0.3197, 0.3310

### Protanopia

93.9358, 0.3184, 0.3319

### Deuteranopia

93.8869, 0.3179, 0.3281



## Tritanopia

94.0142, 0.3118, 0.3204

# Trichromacy



**Original Color**

93.7032, 0.3197, 0.3310

**Protanomaly**

94.1240, 0.3190, 0.3319

**Deuteranomaly**

93.8254, 0.3185, 0.3290

**Tritanomaly**

93.9474, 0.3149, 0.3242

# Monochromacy



**Original Color**

93.7032, 0.3197, 0.3310

**Achromatopsia**

93.8686, 0.3127, 0.3290

**Achromatomaly**

93.7462, 0.3153, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.7032, 0.3197, 0.3310 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, 246, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 244)  
}
```

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, 246, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 93.7032, 0.3197, 0.3310 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, 246, 244) }
```

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

```
.border{ border-color:rgb(255, 246, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.7032, 0.3197, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 244) }
```

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

```
.background{ background-color: rgb(255,  
246, 244) }
```

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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