

# Converting Colors

$Yxy(93.4023, 0.3238, 0.3407)$

Have a look what the booklet for  
Yxy(93.4023, 0.3238, 0.3407)  
contains.

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# Color

**Yxy(93.4023, 0.3238, 0.3407)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FDF7EB
RGB	253, 247, 235
RGB Percent	99%, 97%, 92%
CMY	0.0078, 0.0314, 0.0783
CMYK	0.00, 0.02, 0.07, 0.01
HSL	40°, 82%, 96%
HSV	40°, 7%, 99%
XYZ	88.7692, 93.4023, 91.9767
YIQ	247.4260, 7.4280, -2.4600

# Conversions

## Conversions Part 2

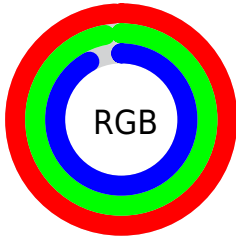
Format	Color
<a href="#">RYB</a>	<a href="#">244, 253, 235</a>
Decimal	<a href="#">16644075</a>
CIELab	<a href="#">97.39, -0.01, 6.44</a>
CIElCh	<a href="#">97, 6.440, 90.112</a>
Yxy	<a href="#">93.4023, 0.3238, 0.3407</a>
Android (android.graphics.Color)	<a href="#">4294834155</a> ( <a href="#">0xFFFD7EB</a> )
YUV	<a href="#">247.4260, -6.1260, 4.8884</a>
Hunter-Lab	<a href="#">96.6449, -5.1746, 11.2252</a>

# Details

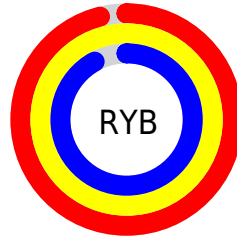
The Yxy color 93.4023, 0.3238, 0.3407 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.6969, 0.3017, 0.3170, and the grayscale version is 93.4277, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 52.2520, 0.3261, 0.3440 is the 20% darker color. If you saturate the color by 10%, you get 86.9925, 0.3408, 0.3579, and if you desaturate by 10%, it is 99.6232, 0.3115, 0.3290.

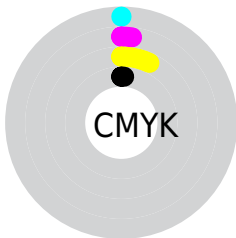
# Distribution



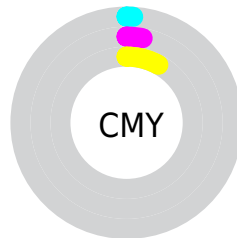
- Red (99%)
- Green (97%)
- Blue (92%)



- Red (96%)
- Yellow (99%)
- Blue (92%)



- Cyan (0%)
- Magenta (2%)
- Yellow (7%)
- Black (1%)




- Cyan (1%)
- Magenta (3%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.4023, 0.3238, 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 93.4023, 0.3238, 0.3407 by changing the saturation by 10% instead.




 93.4023, 0.3238,  
0.3407

 93.4023, 0.3238,  
0.3407


539.0374, 0.3189,  
0.3355

 70.8059, 0.3249,  
0.3418


152.0555, 0.3221,  
0.3389

 52.1838, 0.3262,  
0.3432


188.8810, 0.3215,  
0.3383

 37.1516, 0.3278,  
0.3449


231.2185, 0.3209,  
0.3377

 25.3249, 0.3298,  
0.3471

279.4522, 0.3204,  
0.3371

 16.3193, 0.3325,  
0.3499

333.9665, 0.3200,  
0.3367

 9.7504, 0.3362,  
0.3538

395.1459, 0.3196,

 5.2338, 0.3416,

0.3362

0.3595

463.3747, 0.3192,  
0.3359

■ 2.3851, 0.3502,  
0.3686

■ 0.8182, 0.3818,  
0.4018

■ 93.4023, 0.3238,  
0.3407

■ 93.4023, 0.3238,  
0.3407

■ 86.9925, 0.3408,  
0.3579

99.6232, 0.3115,  
0.3290

■ 81.0092, 0.3595,  
0.3756

■ 75.4441, 0.3795,  
0.3933

■ 70.2837, 0.4006,  
0.4101

■ 65.5139, 0.4219,  
0.4252

■ 61.1191, 0.4428,  
0.4373

■ 57.0819, 0.4620,  
0.4453

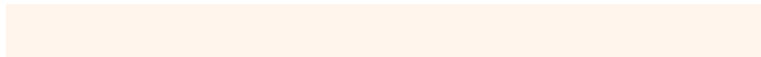
■ 53.3824, 0.4785,  
0.4483

■ 49.9962, 0.4917,  
0.4462

# Harmonies

## Analogous

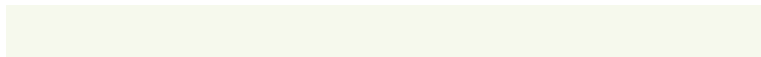
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.4023, 0.3266, 0.3370



93.4023, 0.3238, 0.3407



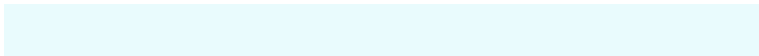
93.4023, 0.3180, 0.3413

# Triad

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



93.4023, 0.3238, 0.3407



93.4023, 0.2999, 0.3266



93.4023, 0.3145, 0.3198

# Complementary

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



93.4023, 0.3238, 0.3407



87.6969, 0.3017, 0.3170

# Split Complementary

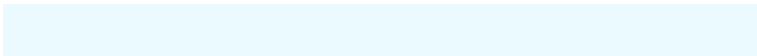
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.4023, 0.3074, 0.3171



93.4023, 0.3238, 0.3407



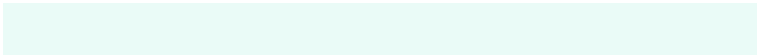
93.4023, 0.2990, 0.3209

# Square

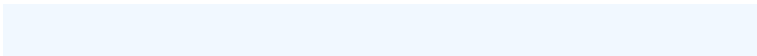
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.4023, 0.3238, 0.3407



93.4023, 0.3042, 0.3331



93.4023, 0.3017, 0.3174



93.4023, 0.3213, 0.3250



# Rectangle

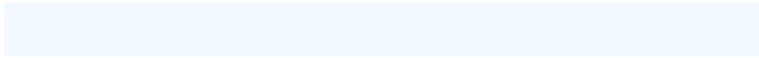
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.4023, 0.3238, 0.3407



93.4023, 0.3132, 0.3398



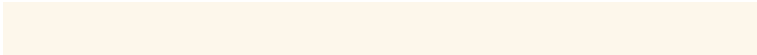
93.4023, 0.3017, 0.3174



93.4023, 0.3121, 0.3186

# Sweetspot

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



93.4064, 0.3238, 0.3407



98.5935, 0.3158, 0.3323



86.6938, 0.3209, 0.3229



21.1179, 0.3156, 0.3321



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

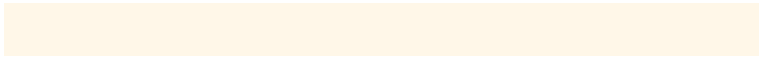


# Same Dimension

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



93.4064, 0.3238, 0.3407



93.8139, 0.3269, 0.3439



96.6342, 0.3215, 0.3465



20.0081, 0.3278, 0.3448



26.3784, 0.4937, 0.4462



2.7697, 0.4830, 0.4547

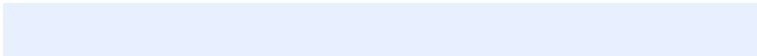


# Inverse Universe

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



87.6969, 0.3017, 0.3170



86.5384, 0.2987, 0.3136



84.6635, 0.3035, 0.3110



18.3693, 0.2979, 0.3127



7.4280, 0.1633, 0.1077

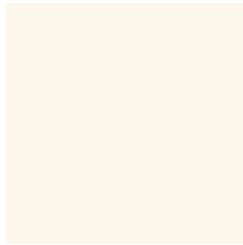


0.9147, 0.1695, 0.1300



# Previews

## White Background



This preview shows how the Yxy color 93.4023, 0.3238, 0.3407 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

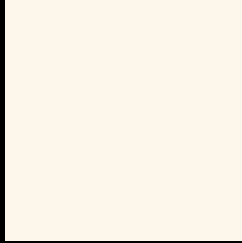
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.4023, 0.3238, 0.3407 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

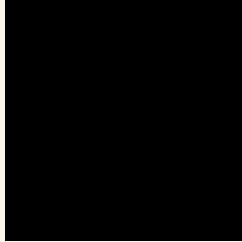
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

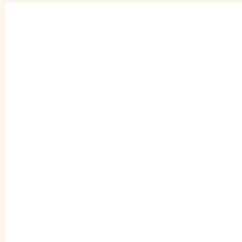
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 93.4023, 0.3238, 0.3407**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.4023, 0.3238, 0.3407.

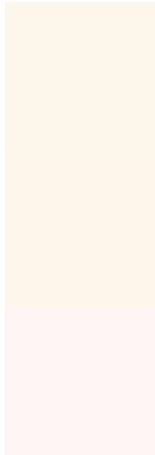


This preview shows how white text looks on a background with the Yxy color 93.4023, 0.3238, 0.3407.

# 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

93.4023, 0.3238, 0.3407

### Protanopia

93.1697, 0.3252, 0.3397

### Deuteranopia

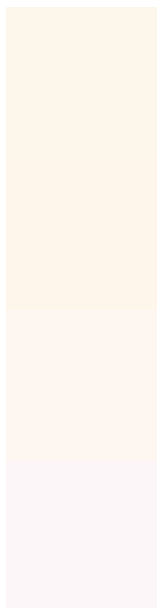
93.1574, 0.3192, 0.3290



## Tritanopia

93.2203, 0.3112, 0.3194

# Trichromacy



## Original Color

93.4023, 0.3238, 0.3407

## Protanomaly

92.9805, 0.3246, 0.3398

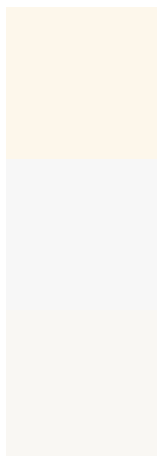
## Deuteranomaly

93.3332, 0.3209, 0.3339

## Tritanomaly

93.3843, 0.3154, 0.3271

# Monochromacy



## Original Color

93.4023, 0.3238, 0.3407

## Achromatopsia

93.0111, 0.3127, 0.3290

## Achromatomaly

93.1323, 0.3164, 0.3329

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.4023, 0.3238, 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(253, 247, 235)` looks like.

```
.text, #text, p{  
    color:rgb(253, 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(253, 247, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 247, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 93.4023, 0.3238, 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(253, 247, 235) }
```

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

```
.border{ border-color:rgb(253, 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(253, 247, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 247, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 247, 235);  
box-shadow:4px 4px 4px 4px rgb(253, 247,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.4023, 0.3238, 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(253, 247, 235) }
```

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

```
.background{ background-color: rgb(253,  
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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