

# Converting Colors

$Y_{xy}(93.2420, 0.3251, 0.3404)$

Have a look what the booklet for  
Yxy(93.2420, 0.3251, 0.3404)  
contains.

<b>Yxy(93.1697, 0.3252, 0.3397)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(93.1697, 0.3252, 0.3397)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF6EB
RGB	255, 246, 235
RGB Percent	100%, 96%, 92%
CMY	0.0000, 0.0353, 0.0783
CMYK	0.00, 0.04, 0.08, 0.00
HSL	33°, 100%, 96%
HSV	33°, 8%, 100%
XYZ	89.1928, 93.1697, 91.9081
YIQ	247.4370, 8.8950, -1.5130

# Conversions

## Conversions Part 2

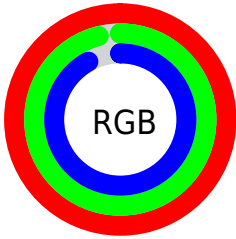
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	251, 255, 235
Decimal	16774891
CIE Lab	97.30, 1.17, 6.32
CIE LCh	97, 6.432, 79.523
Yxy	93.1697, 0.3252, 0.3397
Android (android.graphics.Color)	4294964971 (0xFFFFF6EB)
YUV	247.4370, -6.1314, 6.6328
Hunter-Lab	96.5245, -3.9761, 11.1127

# Details

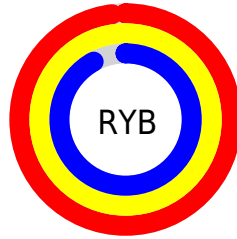
The Yxy color **93.1697, 0.3252, 0.3397** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.6045, 0.3006, 0.3181**, and the grayscale version is **93.4350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.0874, 0.3279, 0.3427** is the 20% darker color. If you saturate the color by 10%, you get **85.0319, 0.3430, 0.3541**, and if you desaturate by 10%, it is **99.9984, 0.3127, 0.3290**.

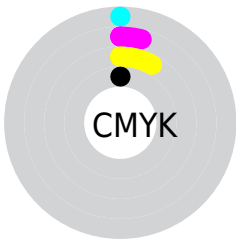
# Distribution



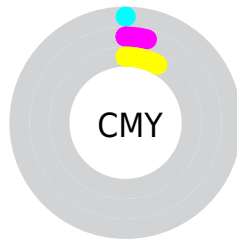
- Red (100%)
- Green (96%)
- Blue (92%)



- Red (98%)
- Yellow (100%)
- Blue (92%)



- Cyan (0%)
- Magenta (4%)
- Yellow (8%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.1697, 0.3252, 0.3397 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 93.1697, 0.3252, 0.3397 by changing the saturation by 10% instead.




 93.1697, 0.3252,  
0.3397

 93.1697, 0.3252,  
0.3397


538.2887, 0.3197,  
0.3350

 70.6126, 0.3264,  
0.3407


151.7335, 0.3233,  
0.3381

 52.0261, 0.3279,  
0.3420


188.5090, 0.3226,  
0.3375

 37.0259, 0.3297,  
0.3435


230.7927, 0.3219,  
0.3369

 25.2275, 0.3320,  
0.3455

278.9691, 0.3214,  
0.3364

 16.2466, 0.3351,  
0.3481

333.4225, 0.3209,  
0.3360

 9.6989, 0.3393,  
0.3516

394.5373, 0.3204,

 5.1997, 0.3455,

0.3356

0.3567

462.6979, 0.3200,  
0.3353

■ 2.3649, 0.3553,  
0.3648

■ 0.8078, 0.3901,  
0.3957

■ 93.1697, 0.3252,  
0.3397

■ 93.1697, 0.3252,  
0.3397

■ 85.0319, 0.3430,  
0.3541

99.9984, 0.3127,  
0.3290

■ 77.5166, 0.3631,  
0.3689

■ 70.6102, 0.3853,  
0.3838

■ 64.2944, 0.4094,  
0.3979

■ 58.5492, 0.4348,  
0.4104

■ 53.3534, 0.4604,  
0.4199

■ 48.6836, 0.4850,  
0.4252

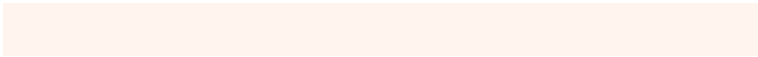
■ 44.5137, 0.5069,  
0.4253

■ 40.8112, 0.5251,  
0.4199

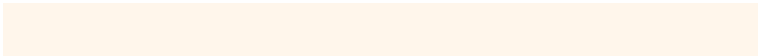
# Harmonies

## Analogous

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



93.1697, 0.3267, 0.3351



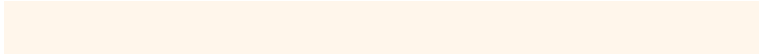
93.1697, 0.3252, 0.3397



93.1697, 0.3203, 0.3415

# Triad

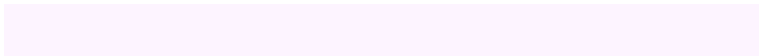
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.1697, 0.3252, 0.3397



93.1697, 0.3011, 0.3289



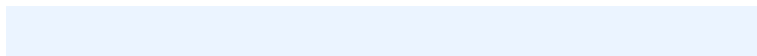
93.1697, 0.3119, 0.3185

# Complementary

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



93.1697, 0.3252, 0.3397



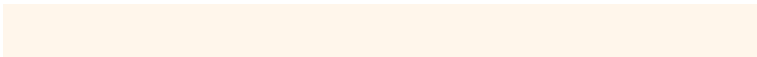
89.6045, 0.3006, 0.3181

# Split Complementary

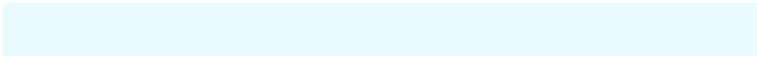
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.1697, 0.3051, 0.3168



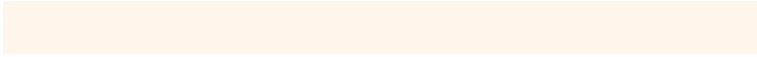
93.1697, 0.3252, 0.3397



93.1697, 0.2989, 0.3227

# Square

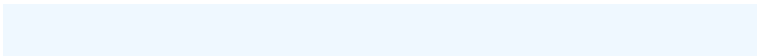
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.1697, 0.3252, 0.3397



93.1697, 0.3064, 0.3352



93.1697, 0.3004, 0.3183

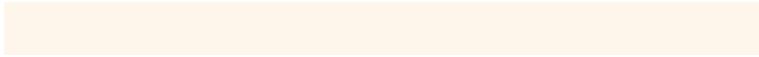


93.1697, 0.3190, 0.3230



# Rectangle

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



93.1697, 0.3252, 0.3397



93.1697, 0.3158, 0.3407



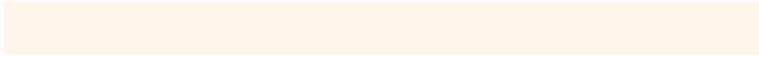
93.1697, 0.3004, 0.3183



93.1697, 0.3095, 0.3176

# Sweetspot

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



93.1738, 0.3252, 0.3397



98.2191, 0.3158, 0.3317



87.2503, 0.3203, 0.3200



21.0417, 0.3156, 0.3316



0.0000, 0.0000, 0.0000

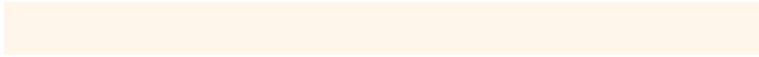


21.4041, 0.3127, 0.3290

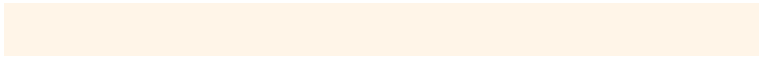


# Same Dimension

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



93.1738, 0.3252, 0.3397



92.1909, 0.3272, 0.3414



98.6473, 0.3239, 0.3483



19.6423, 0.3280, 0.3421



21.2363, 0.5265, 0.4201

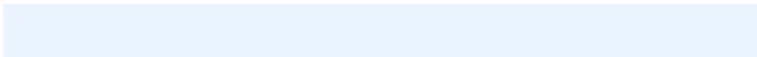


2.2860, 0.5109, 0.4325

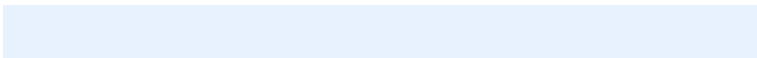


# Inverse Universe

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



89.6045, 0.3006, 0.3181



88.1183, 0.2987, 0.3163



84.4407, 0.3010, 0.3090



18.7249, 0.2979, 0.3156



10.4491, 0.1726, 0.1412

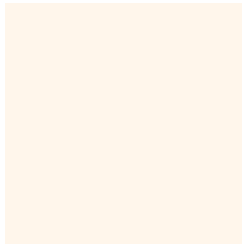


1.2319, 0.1786, 0.1629



# Previews

## White Background



This preview shows how the Yxy color 93.1697, 0.3252, 0.3397 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 93.1697, 0.3252, 0.3397 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 93.1697, 0.3252, 0.3397**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.1697, 0.3252, 0.3397.

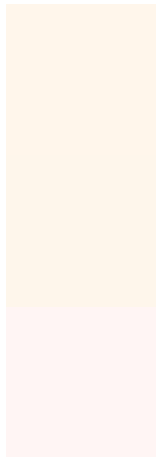


This preview shows how white text looks on a background with the Yxy color 93.1697, 0.3252, 0.3397.

# 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

93.1697, 0.3252, 0.3397

### Protanopia

92.9805, 0.3246, 0.3398

### Deuteranopia

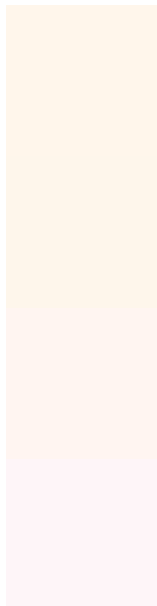
93.0965, 0.3198, 0.3300



## Tritanopia

92.9922, 0.3126, 0.3185

# Trichromacy



## Original Color

93.1697, 0.3252, 0.3397

## Protanomaly

92.9805, 0.3246, 0.3398

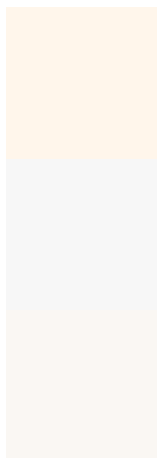
## Deuteranomaly

92.9157, 0.3216, 0.3329

## Tritanomaly

93.1530, 0.3167, 0.3261

# Monochromacy



## Original Color

93.1697, 0.3252, 0.3397

## Achromatopsia

93.0111, 0.3127, 0.3290

## Achromatomaly

93.3166, 0.3170, 0.3329

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.1697, 0.3252, 0.3397 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 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, 246, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 93.1697, 0.3252, 0.3397 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, 235) }
```

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

```
.border{ border-color:rgb(255, 246, 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, 246, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.1697, 0.3252, 0.3397 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, 235) }
```

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

```
.background{ background-color: rgb(255,  
246, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor