

# Converting Colors

$Y_{xy}(100.0000, 0.3291, 0.3365)$

Have a look what the booklet for  
Yxy(100.0000, 0.3291, 0.3365)  
contains.

<b>Yxy(97.4125, 0.3193, 0.3367)</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(97.4125, 0.3193, 0.3367)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFCF4
RGB	255, 252, 244
RGB Percent	100%, 99%, 96%
CMY	0.0000, 0.0117, 0.0431
CMYK	0.00, 0.01, 0.04, 0.00
HSL	44°, 100%, 98%
HSV	44°, 4%, 100%
XYZ	92.3784, 97.4125, 99.5245
YIQ	251.9850, 4.3560, -1.8520

# Conversions

## Conversions Part 2

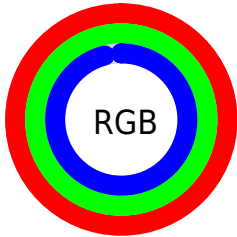
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	248, 255, 244
Decimal	16776436
CIE <sub>Lab</sub>	98.99, -0.37, 4.16
CIE <sub>LCh</sub>	99, 4.179, 95.130
Yxy	97.4125, 0.3193, 0.3367
Android (android.graphics.Color)	4294966516 (0xFFFFFCF4)
YUV	251.9850, -3.9366, 2.6442
Hunter-Lab	98.6978, -5.6500, 9.3018

# Details

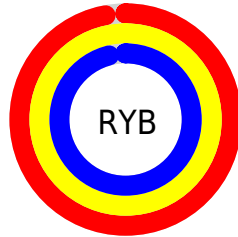
The Yxy color 97.4125, 0.3193, 0.3367 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 92.9713, 0.3061, 0.3212, and the grayscale version is 97.3654, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.6668, 0.3204, 0.3376 is the 20% darker color. If you saturate the color by 10%, you get 91.6977, 0.3356, 0.3552, and if you desaturate by 10%, it is 99.9992, 0.3127, 0.3290.

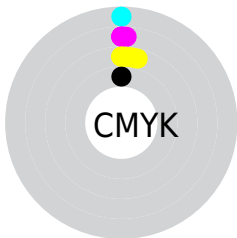
# Distribution



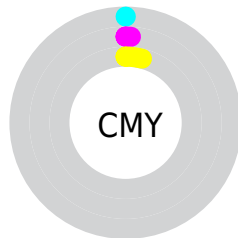
- Red (100%)
- Green (99%)
- Blue (96%)



- Red (97%)
- Yellow (100%)
- Blue (96%)



- Cyan (0%)
- Magenta (1%)
- Yellow (4%)
- Black (0%)




- Cyan (0%)
- Magenta (1%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.4125, 0.3193, 0.3367 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 97.4125, 0.3193, 0.3367 by changing the saturation by 10% instead.




 97.4125, 0.3193,  
0.3367

 97.4125, 0.3193,  
0.3367


551.8598, 0.3164,  
0.3333

 74.1445, 0.3199,  
0.3374

157.5934, 0.3183,  
0.3356

 54.9123, 0.3207,  
0.3383


195.2751, 0.3179,  
0.3351

 39.3315, 0.3216,  
0.3394


238.5302, 0.3176,  
0.3347

 27.0177, 0.3228,  
0.3408

287.7430, 0.3173,  
0.3344

 17.5865, 0.3244,  
0.3426

343.2980, 0.3170,  
0.3341

 10.6536, 0.3265,  
0.3451

405.5795, 0.3168,

 5.8344, 0.3295,

0.3338

0.3487

474.9720, 0.3166,  
0.3335

■ 2.7446, 0.3343,  
0.3543

■ 0.9999, 0.3441,  
0.3658

■ 97.4125, 0.3193,  
0.3367

■ 97.4125, 0.3193,  
0.3367

■ 91.6977, 0.3356,  
0.3552

99.9992, 0.3127,  
0.3290

■ 86.3414, 0.3533,  
0.3743

■ 81.3369, 0.3720,  
0.3935

■ 76.6723, 0.3915,  
0.4120

■ 72.3348, 0.4111,  
0.4289

■ 68.3108, 0.4299,  
0.4431

■ 64.5845, 0.4470,  
0.4534

■ 61.1385, 0.4616,  
0.4590

■ 57.9513, 0.4731,  
0.4596

# Harmonies

## Analogous

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



97.4125, 0.3215, 0.3347



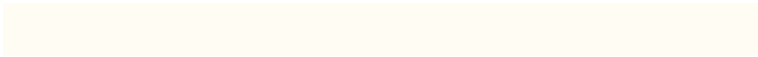
97.4125, 0.3193, 0.3367



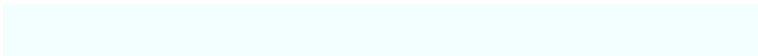
97.4125, 0.3154, 0.3367

# Triad

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



97.4125, 0.3193, 0.3367



97.4125, 0.3042, 0.3268



97.4125, 0.3147, 0.3236

# Complementary

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



97.4125, 0.3193, 0.3367



92.9713, 0.3061, 0.3212

# 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.



97.4125, 0.3100, 0.3215



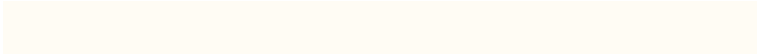
97.4125, 0.3193, 0.3367



97.4125, 0.3040, 0.3233

# Square

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



97.4125, 0.3193, 0.3367



97.4125, 0.3067, 0.3309



97.4125, 0.3062, 0.3214

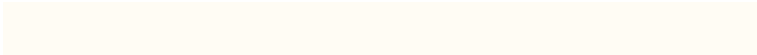


97.4125, 0.3188, 0.3271

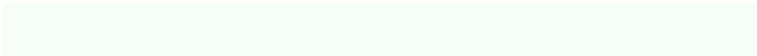


# Rectangle

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



97.4125, 0.3193, 0.3367



97.4125, 0.3123, 0.3355



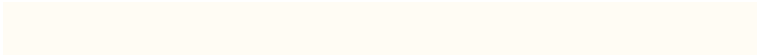
97.4125, 0.3062, 0.3214



97.4125, 0.3131, 0.3227

# Sweetspot

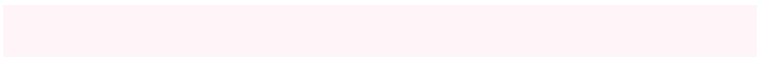
The Sweet Spot groups the original color and five complimentary colors.



97.4167, 0.3193, 0.3367



99.3953, 0.3142, 0.3308



92.6866, 0.3180, 0.3260



21.2811, 0.3141, 0.3307



0.0000, 0.0000, 0.0000

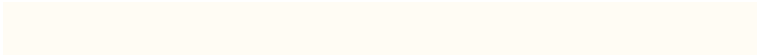


21.4041, 0.3127, 0.3290



# Same Dimension

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



97.4167, 0.3193, 0.3367



97.0140, 0.3204, 0.3380



98.8595, 0.3176, 0.3396



20.6768, 0.3215, 0.3392



29.6473, 0.4773, 0.4592



3.0684, 0.4692, 0.4657



# Inverse Universe

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



92.9713, 0.3061, 0.3212



91.8807, 0.3051, 0.3199



91.5872, 0.3077, 0.3183



19.4296, 0.3040, 0.3186



6.2283, 0.1592, 0.0930



0.7786, 0.1651, 0.1144



# Previews

## White Background



This preview shows how the Yxy color 97.4125, 0.3193, 0.3367 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

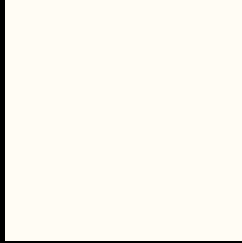
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.4125, 0.3193, 0.3367 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 97.4125, 0.3193, 0.3367**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.4125, 0.3193, 0.3367.



This preview shows how white text looks on a background with the Yxy color 97.4125, 0.3193, 0.3367.

# 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

97.4125, 0.3193, 0.3367

### Protanopia

97.6581, 0.3169, 0.3328

### Deuteranopia

97.2194, 0.3152, 0.3290

## Tritanopia

97.0970, 0.3116, 0.3252

# Trichromacy



**Original Color**

97.4125, 0.3193, 0.3367

**Protanomaly**

97.5962, 0.3175, 0.3338

**Deuteranomaly**

97.0317, 0.3170, 0.3319

**Tritanomaly**

97.0302, 0.3146, 0.3290

# Monochromacy



**Original Color**

97.4125, 0.3193, 0.3367



**Achromatopsia**

97.3445, 0.3127, 0.3290

**Achromatomaly**

97.3430, 0.3151, 0.3319

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 97.4125, 0.3193, 0.3367 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, 252, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 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, 252, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 97.4125, 0.3193, 0.3367 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, 252, 244) }
```

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

```
.border{ border-color:rgb(255, 252, 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, 252, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 252, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 252, 244); box-shadow:4px 4px 4px 4px rgb(255, 252, 244) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.4125, 0.3193, 0.3367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 244) }
```

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

```
.background{ background-color: rgb(255,  
252, 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](#).

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