

# Converting Colors

$Y_{xy}(92.8701, 0.3173, 0.3366)$

Have a look what the booklet for  
Yxy(92.8701, 0.3173, 0.3366)  
contains.

<b>Yxy(92.5870, 0.3169, 0.3359)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(92.5870, 0.3169, 0.3359)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7F7F0
RGB	247, 247, 240
RGB Percent	97%, 97%, 94%
CMY	0.0313, 0.0314, 0.0588
CMYK	0.00, 0.00, 0.03, 0.03
HSL	60°, 31%, 95%
HSV	60°, 3%, 97%
XYZ	87.3499, 92.5870, 95.7017
YIQ	246.2020, 2.2470, -2.1770

# Conversions

## Conversions Part 2

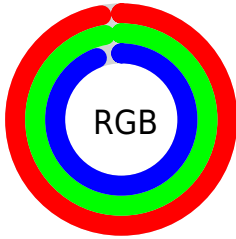
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	240, 247, 240
Decimal	16250864
CIE <sub>Lab</sub>	97.06, -1.21, 3.35
CIE <sub>LCh</sub>	97, 3.561, 109.783
Yxy	92.5870, 0.3169, 0.3359
Android (android.graphics.Color)	4294440944 (0xFF7F7F0)
YUV	246.2020, -3.0576, 0.6998
Hunter-Lab	96.2221, -6.3475, 8.3862

# Details

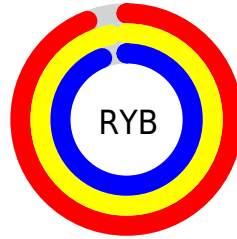
The Yxy color 92.5870, 0.3169, 0.3359 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.5674, 0.3085, 0.3220, and the grayscale version is 92.3588, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 51.7987, 0.3180, 0.3378 is the 20% darker color. If you saturate the color by 10%, you get 91.1929, 0.3320, 0.3608, and if you desaturate by 10%, it is 93.5484, 0.3080, 0.3213.

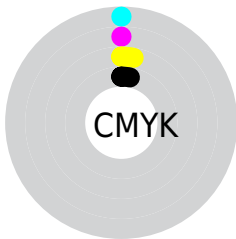
# Distribution



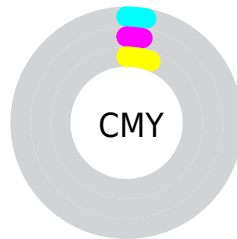
- Red (97%)
- Green (97%)
- Blue (94%)



- Red (94%)
- Yellow (97%)
- Blue (94%)



- Cyan (0%)
- Magenta (0%)
- Yellow (3%)
- Black (3%)




- Cyan (3%)
- Magenta (3%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.5870, 0.3169, 0.3359 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 92.5870, 0.3169, 0.3359 by changing the saturation by 10% instead.




 92.5870, 0.3169,  
0.3359

 92.5870, 0.3169,  
0.3359


536.4108, 0.3151,  
0.3328

 70.1283, 0.3173,  
0.3366


150.9267, 0.3163,  
0.3349

 51.6311, 0.3178,  
0.3374


187.5765, 0.3160,  
0.3345

 36.7111, 0.3184,  
0.3384


229.7254, 0.3158,  
0.3341

 24.9839, 0.3192,  
0.3397

277.7578, 0.3156,  
0.3338

 16.0651, 0.3202,  
0.3414

332.0582, 0.3155,  
0.3335

 9.5702, 0.3216,  
0.3438

393.0109, 0.3153,

 5.1149, 0.3236,

0.3333

0.3472

461.0003, 0.3152,  
0.3330

■ 2.3149, 0.3269,  
0.3528

■ 0.7816, 0.3378,  
0.3701

■ 92.5870, 0.3169,  
0.3359

■ 92.5870, 0.3169,  
0.3359

■ 91.1929, 0.3320,  
0.3608

■ 93.5484, 0.3080,  
0.3213

■ 89.9866, 0.3473,  
0.3860

■ 93.5770, 0.3080,  
0.3213

■ 88.9636, 0.3624,  
0.4110

■ 93.6055, 0.3080,  
0.3214

■ 88.1146, 0.3767,  
0.4346

■ 93.6341, 0.3080,  
0.3214


 87.4297, 0.3897,  
0.4559

 93.6627, 0.3080,  
0.3215

 86.8978, 0.4007,  
0.4740

 93.6912, 0.3080,  
0.3215

 86.5066, 0.4093,  
0.4881

 93.7198, 0.3080,  
0.3216

 86.2418, 0.4152,  
0.4978

 93.7484, 0.3080,  
0.3216

 86.0860, 0.4185,  
0.5032

 93.7770, 0.3080,  
0.3216

# Harmonies

## Analogous

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



92.5870, 0.3196, 0.3350



92.5870, 0.3169, 0.3359



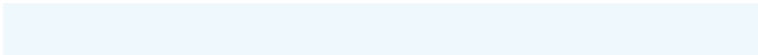
92.5870, 0.3131, 0.3350

# Triad

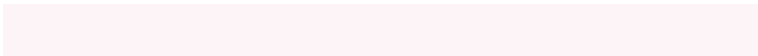
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.5870, 0.3169, 0.3359



92.5870, 0.3050, 0.3255



92.5870, 0.3163, 0.3257

# Complementary

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



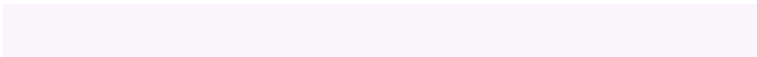
92.5870, 0.3169, 0.3359



87.5674, 0.3085, 0.3220

# Split Complementary

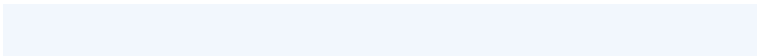
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.5870, 0.3123, 0.3232



92.5870, 0.3169, 0.3359



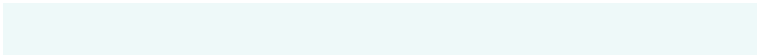
92.5870, 0.3059, 0.3231

# Square

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



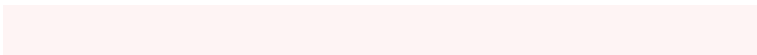
92.5870, 0.3169, 0.3359



92.5870, 0.3062, 0.3289



92.5870, 0.3085, 0.3222



92.5870, 0.3193, 0.3291

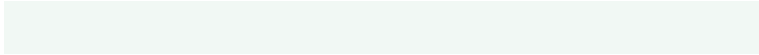


# Rectangle

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



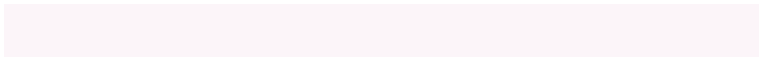
92.5870, 0.3169, 0.3359



92.5870, 0.3104, 0.3334



92.5870, 0.3085, 0.3222



92.5870, 0.3150, 0.3247

# Sweetspot

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



92.5910, 0.3169, 0.3359



99.8338, 0.3142, 0.3314



88.3935, 0.3173, 0.3289



21.3703, 0.3141, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

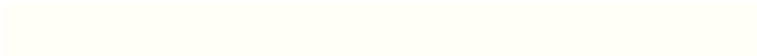


# Same Dimension

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



92.5910, 0.3169, 0.3359



99.5078, 0.3171, 0.3363



91.9879, 0.3147, 0.3360



19.4783, 0.3183, 0.3382



45.4908, 0.4196, 0.5050



3.9999, 0.4196, 0.5050



# Inverse Universe

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



87.5674, 0.3085, 0.3220



93.8025, 0.3082, 0.3216



88.1589, 0.3107, 0.3220



18.0745, 0.3070, 0.3196



3.5592, 0.1500, 0.0601

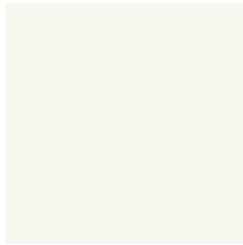


0.3146, 0.1501, 0.0604



# Previews

## White Background



This preview shows how the Yxy color 92.5870, 0.3169, 0.3359 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

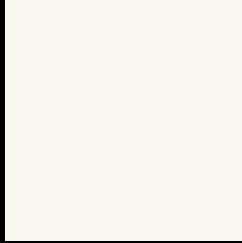
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.5870, 0.3169, 0.3359 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

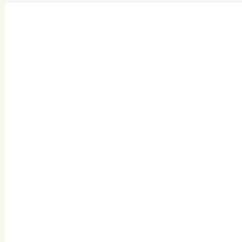
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 92.5870, 0.3169, 0.3359**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.5870, 0.3169, 0.3359.

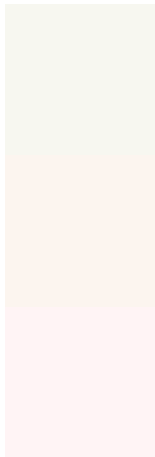


This preview shows how white text looks on a background with the Yxy color 92.5870, 0.3169, 0.3359.

# 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

92.5870, 0.3169, 0.3359

### Protanopia

92.2323, 0.3209, 0.3349

### Deuteranopia

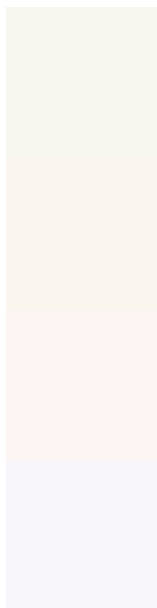
92.5539, 0.3193, 0.3281



## Tritanopia

92.6646, 0.3093, 0.3193

# Trichromacy



## Original Color

92.5870, 0.3169, 0.3359

## Protanomaly

92.4675, 0.3195, 0.3359

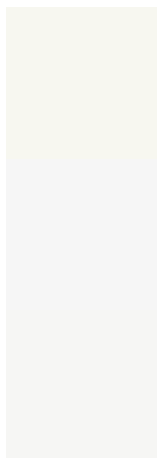
## Deuteranomaly

92.4713, 0.3185, 0.3310

## Tritanomaly

92.7701, 0.3116, 0.3251

# Monochromacy



## Original Color

92.5870, 0.3169, 0.3359

## Achromatopsia

92.1582, 0.3127, 0.3290

## Achromatomaly

92.0360, 0.3139, 0.3310

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  92.5870, 0.3169, 0.3359 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  $rgb(247, 247, 240)$  looks like.

```
.text, #text, p{  
    color:rgb(247, 247, 240)  
}
```

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(247, 247, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 247, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 92.5870, 0.3169, 0.3359 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(247, 247, 240) }
```

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

```
.border{ border-color:rgb(247, 247, 240) }
```

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

Here you see how a box with a 4 pixel rgb(247, 247, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 247, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 247, 240);  
box-shadow:4px 4px 4px 4px rgb(247, 247,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.5870, 0.3169, 0.3359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 247, 240) }
```

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

```
.background{ background-color: rgb(247,  
247, 240) }
```

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