

# Converting Colors

$Y_{xy}(93.5010, 0.3238, 0.3322)$

Have a look what the booklet for  
Yxy(93.5010, 0.3238, 0.3322)  
contains.

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# Color

**Yxy(92.9157, 0.3216, 0.3329)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF5F1
RGB	255, 245, 241
RGB Percent	100%, 96%, 95%
CMY	0.0001, 0.0392, 0.0548
CMYK	0.00, 0.04, 0.05, 0.00
HSL	17°, 100%, 97%
HSV	17°, 5%, 100%
XYZ	89.7618, 92.9157, 96.4325
YIQ	247.5340, 7.2440, 0.8760

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 247, 241
Decimal	16774641
CIE Lab	97.19, 2.65, 3.09
CIE LCh	97, 4.076, 49.401
Yxy	92.9157, 0.3216, 0.3329
Android (android.graphics.Color)	4294964721 (0xFFFFF5F1)
YUV	247.5340, -3.2213, 6.5477
Hunter-Lab	96.3928, -2.4667, 8.1605

# Details

The Yxy color 92.9157, 0.3216, 0.3329 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 94.8942, 0.3042, 0.3251, and the grayscale version is 93.4915, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 51.9037, 0.3233, 0.3340 is the 20% darker color. If you saturate the color by 10%, you get 81.0323, 0.3402, 0.3404, and if you desaturate by 10%, it is 99.9938, 0.3127, 0.3290.

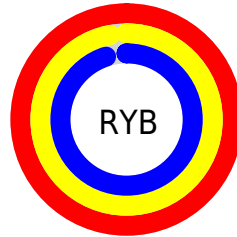
# Distribution



Red (100%)

Green (96%)

Blue (95%)



Red (100%)

Yellow (97%)

Blue (95%)



Cyan (0%)

Magenta (4%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.9157, 0.3216, 0.3329 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 92.9157, 0.3216, 0.3329 by changing the saturation by 10% instead.




 92.9157, 0.3216,  
0.3329

 92.9157, 0.3216,  
0.3329


537.4706, 0.3177,  
0.3312

 70.4014, 0.3225,  
0.3333


151.3819, 0.3203,  
0.3323

 51.8539, 0.3235,  
0.3337

188.1026, 0.3197,  
0.3321

 36.8886, 0.3248,  
0.3343


230.3276, 0.3193,  
0.3319

 25.1213, 0.3265,  
0.3350

278.4413, 0.3189,  
0.3317

 16.1674, 0.3287,  
0.3359

332.8280, 0.3185,  
0.3316

 9.6427, 0.3317,  
0.3371

393.8722, 0.3182,

 5.1627, 0.3361,

0.3314

0.3389

461.9583, 0.3179,  
0.3313

■ 2.3430, 0.3433,  
0.3418

■ 0.7964, 0.3622,  
0.3510

■ 92.9157, 0.3216,  
0.3329

■ 92.9157, 0.3216,  
0.3329

■ 81.0323, 0.3402,  
0.3404

99.9938, 0.3127,  
0.3290

■ 70.3996, 0.3624,  
0.3484

■ 60.9799, 0.3886,  
0.3564

■ 52.7288, 0.4191,  
0.3641

■ 45.5992, 0.4536,  
0.3706

■ 39.5407, 0.4910,  
0.3749

■ 34.4987, 0.5290,  
0.3758

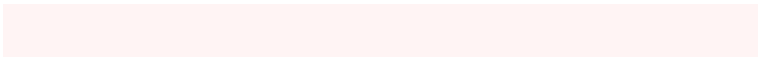
■ 30.4132, 0.5641,  
0.3723

■ 27.2164, 0.5923,  
0.3642

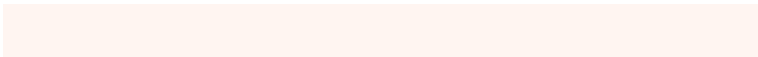
# Harmonies

## Analogous

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



92.9157, 0.3202, 0.3290



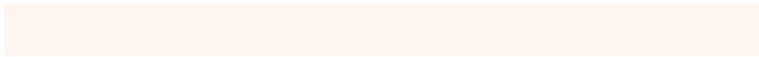
92.9157, 0.3216, 0.3329



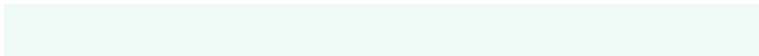
92.9157, 0.3206, 0.3358

# Triad

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



92.9157, 0.3216, 0.3329



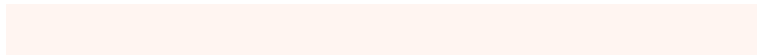
92.9157, 0.3087, 0.3329



92.9157, 0.3079, 0.3212

# Complementary

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



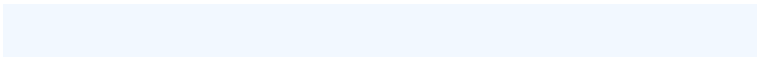
92.9157, 0.3216, 0.3329



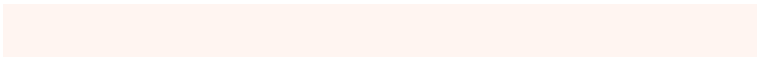
94.8942, 0.3042, 0.3251

# Split Complementary

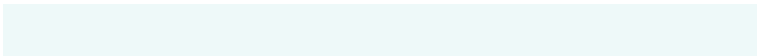
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.9157, 0.3049, 0.3222



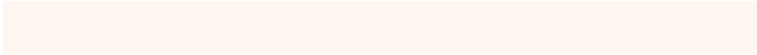
92.9157, 0.3216, 0.3329



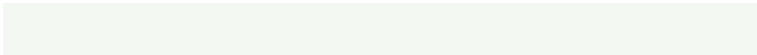
92.9157, 0.3053, 0.3290

# Square

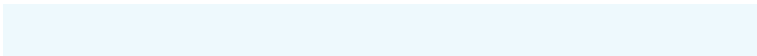
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.9157, 0.3216, 0.3329



92.9157, 0.3132, 0.3358



92.9157, 0.3039, 0.3250

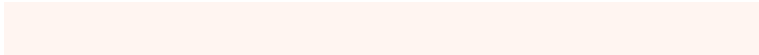


92.9157, 0.3122, 0.3223



# Rectangle

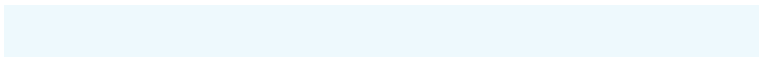
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.9157, 0.3216, 0.3329



92.9157, 0.3188, 0.3368



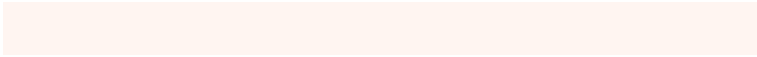
92.9157, 0.3039, 0.3250



92.9157, 0.3067, 0.3213

# Sweetspot

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



92.9197, 0.3216, 0.3329



97.3769, 0.3159, 0.3304



91.1387, 0.3157, 0.3194



20.8702, 0.3157, 0.3303



0.0000, 0.0000, 0.0000

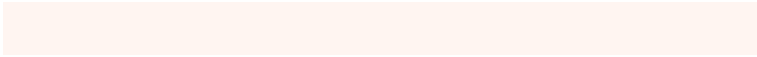


21.4041, 0.3127, 0.3290

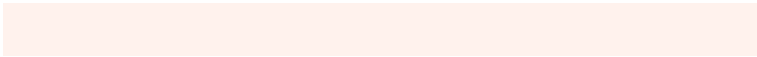


# Same Dimension

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



92.9197, 0.3216, 0.3329



91.0476, 0.3242, 0.3340



97.1912, 0.3211, 0.3395



19.3291, 0.3253, 0.3345



13.8265, 0.5997, 0.3620



1.5234, 0.5777, 0.3795

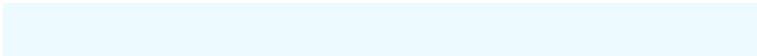


# Inverse Universe

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



94.8942, 0.3042, 0.3251



93.5477, 0.3019, 0.3239



90.6451, 0.3043, 0.3182



19.9079, 0.3009, 0.3235



21.4951, 0.1980, 0.2326

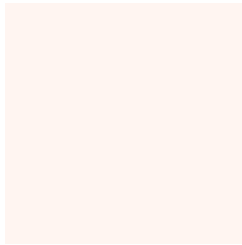


2.2800, 0.2014, 0.2449



# Previews

## White Background



This preview shows how the Yxy color 92.9157, 0.3216, 0.3329 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

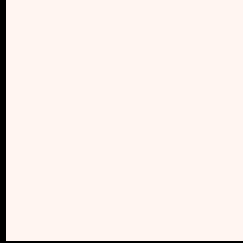
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.9157, 0.3216, 0.3329 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

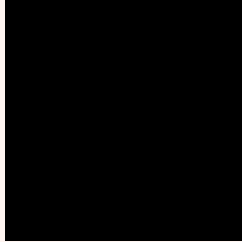
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

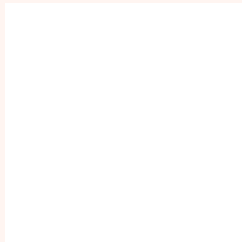
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 92.9157, 0.3216, 0.3329**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.9157, 0.3216, 0.3329.



This preview shows how white text looks on a background with the Yxy color 92.9157, 0.3216, 0.3329.

# 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**

92.9157, 0.3216, 0.3329

**Protanopia**

92.9579, 0.3196, 0.3339

**Deuteranopia**

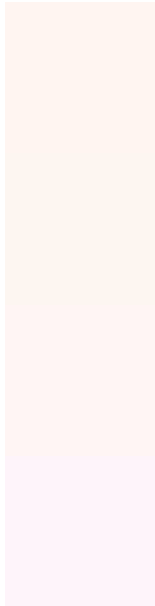
93.2186, 0.3186, 0.3281



## Tritanopia

92.8040, 0.3119, 0.3184

# Trichromacy



## Original Color

92.9157, 0.3216, 0.3329

## Protanomaly

93.1451, 0.3202, 0.3339

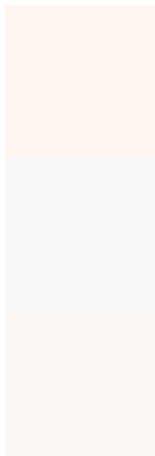
## Deuteranomaly

93.0965, 0.3198, 0.3300

## Tritanomaly

92.6743, 0.3156, 0.3232

# Monochromacy



## Original Color

92.9157, 0.3216, 0.3329

## Achromatopsia

93.8686, 0.3127, 0.3290

## Achromatomaly

93.6233, 0.3165, 0.3310

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.9157, 0.3216, 0.3329 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, 245, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 241)  
}
```

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, 245, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 92.9157, 0.3216, 0.3329 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, 245, 241) }
```

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

```
.border{ border-color:rgb(255, 245, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 245, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.9157, 0.3216, 0.3329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 241) }
```

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

```
.background{ background-color: rgb(255,  
245, 241) }
```

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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