

# Converting Colors

$Y_{xy}(100.0000, 0.3273, 0.3089)$

Have a look what the booklet for  
Yxy(100.0000, 0.3273, 0.3089)  
contains.

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# **Color**

**Yxy(92.5812, 0.3133, 0.3175)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF3FF
RGB	255, 243, 255
RGB Percent	100%, 95%, 100%
CMY	0.0000, 0.0471, 0.0000
CMYK	0.00, 0.05, 0.00, 0.00
HSL	300°, 100%, 98%
HSV	300°, 5%, 100%
XYZ	91.3565, 92.5812, 107.6566
YIQ	247.9560, 3.3000, 6.2760

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 243, 255
Decimal	16774143
CIE Lab	97.06, 6.13, -4.32
CIE LCh	97, 7.496, 324.814
Yxy	92.5812, 0.3133, 0.3175
Android (android.graphics.Color)	4294964223 (0xFFFFF3FF)
YUV	247.9560, 3.4727, 6.1776
Hunter-Lab	96.2191, 1.0957, 1.0156

# Details

The Yxy color 92.5812, 0.3133, 0.3175 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97.0430, 0.3122, 0.3408, and the grayscale version is 93.7928, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 51.6236, 0.3133, 0.3156 is the 20% darker color. If you saturate the color by 10%, you get 78.3561, 0.3144, 0.2925, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

# Distribution



- Red (100%)
- Green (95%)
- Blue (100%)



- Red (100%)
- Yellow (95%)
- Blue (100%)



- Cyan (0%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (5%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.5812, 0.3133, 0.3175 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 92.5812, 0.3133, 0.3175 by changing the saturation by 10% instead.



 92.5812, 0.3133,  
0.3175

 92.5812, 0.3133,  
0.3175


536.3921, 0.3131,  
0.3226

 70.1235, 0.3133,  
0.3164


150.9187, 0.3132,  
0.3192

 51.6272, 0.3134,  
0.3151


187.5672, 0.3132,  
0.3199

 36.7080, 0.3135,  
0.3134


229.7147, 0.3132,  
0.3205

 24.9815, 0.3135,  
0.3114

277.7458, 0.3131,  
0.3210

 16.0633, 0.3136,  
0.3086

332.0446, 0.3131,  
0.3215

 9.5689, 0.3138,  
0.3049

392.9957, 0.3131,

 5.1141, 0.3139,

0.3219

0.2996

460.9834, 0.3131,  
0.3222

■ 2.3144, 0.3140,  
0.2912

■ 0.7813, 0.3145,  
0.2751

■ 92.5812, 0.3133,  
0.3175

■ 92.5812, 0.3133,  
0.3175

■ 78.3561, 0.3144,  
0.2925

100.0000, 0.3127,  
0.3290

■ 66.1718, 0.3156,  
0.2673

■ 55.9273, 0.3168,  
0.2427

■ 47.5226, 0.3179,  
0.2196

■ 40.8487, 0.3189,  
0.1990

■ 35.7853, 0.3197,  
0.1818

■ 32.1963, 0.3203,  
0.1687

■ 29.9238, 0.3207,  
0.1600

■ 28.7733, 0.3210,  
0.1554

# Harmonies

## Analogous

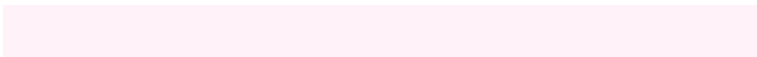
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.5812, 0.3051, 0.3149



92.5812, 0.3133, 0.3175



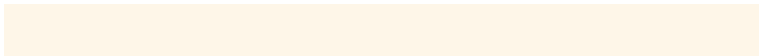
92.5812, 0.3214, 0.3231

# Triad

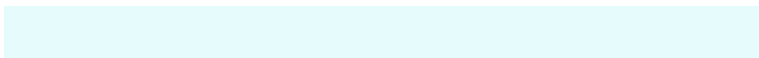
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.5812, 0.3133, 0.3175



92.5812, 0.3265, 0.3421



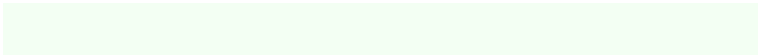
92.5812, 0.2984, 0.3275

# Complementary

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



92.5812, 0.3133, 0.3175



97.0430, 0.3122, 0.3408

# 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.



92.5812, 0.3040, 0.3350



92.5812, 0.3133, 0.3175



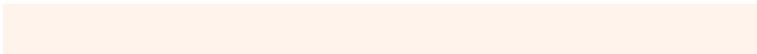
92.5812, 0.3202, 0.3435

# Square

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



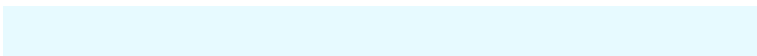
92.5812, 0.3133, 0.3175



92.5812, 0.3291, 0.3372



92.5812, 0.3120, 0.3409



92.5812, 0.2966, 0.3205



# Rectangle

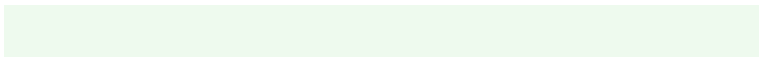
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.5812, 0.3133, 0.3175



92.5812, 0.3257, 0.3278



92.5812, 0.3120, 0.3409



92.5812, 0.2999, 0.3300

# Sweetspot

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



92.5732, 0.3133, 0.3175



98.3837, 0.3128, 0.3266



90.3660, 0.3056, 0.3172



21.0752, 0.3128, 0.3267



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.



92.5732, 0.3133, 0.3175



90.6232, 0.3134, 0.3143



92.1927, 0.3169, 0.3232



19.1885, 0.3135, 0.3127



14.8775, 0.3210, 0.1542



1.4486, 0.3210, 0.1542



# Inverse Universe

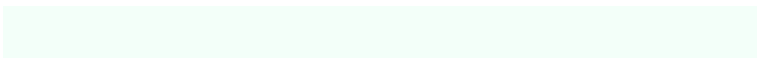
The Inverse Universe completely reimagines the original color for something new.



92.5732, 0.3133, 0.3175



90.6232, 0.3134, 0.3143



97.4116, 0.3087, 0.3348



19.1885, 0.3135, 0.3127



14.8775, 0.3210, 0.1542



1.4486, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 92.5812, 0.3133, 0.3175 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

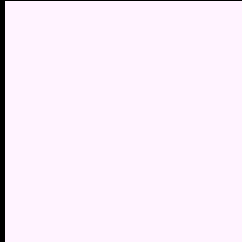
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.5812, 0.3133, 0.3175 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 92.5812, 0.3133, 0.3175**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.5812, 0.3133, 0.3175.



This preview shows how white text looks on a background with the Yxy color 92.5812, 0.3133, 0.3175.

# 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

92.5812, 0.3133, 0.3175

### Protanopia

92.4813, 0.3087, 0.3193

### Deuteranopia

92.2633, 0.3163, 0.3223



## Tritanopia

92.6168, 0.3113, 0.3184

# Trichromacy



**Original Color**

92.5812, 0.3133, 0.3175

**Protanomaly**

92.4306, 0.3106, 0.3184

**Deuteranomaly**

92.3895, 0.3151, 0.3204

**Tritanomaly**

92.8040, 0.3119, 0.3184

# Monochromacy



**Original Color**

92.5812, 0.3133, 0.3175

**Achromatopsia**

93.8686, 0.3127, 0.3290

**Achromatomaly**

93.3858, 0.3129, 0.3242

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  92.5812, 0.3133, 0.3175 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  $rgb(255, 243, 255)$  looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 255)  
}
```

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, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 92.5812, 0.3133, 0.3175 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, 243, 255) }
```

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

```
.border{ border-color:rgb(255, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.5812, 0.3133, 0.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 255) }
```

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

```
.background{ background-color: rgb(255,  
243, 255) }
```

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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