

# Converting Colors

$Y_{xy}(100.0000, 0.2929, 0.2943)$

Have a look what the booklet for  
Yxy(100.0000, 0.2929, 0.2943)  
contains.

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# **Color**

**Yxy(97.9116, 0.3122, 0.3261)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEFCFF
RGB	254, 252, 255
RGB Percent	100%, 99%, 100%
CMY	0.0039, 0.0118, 0.0000
CMYK	0.00, 0.01, 0.00, 0.00
HSL	280°, 100%, 99%
HSV	280°, 1%, 100%
XYZ	93.7381, 97.9116, 108.6005
YIQ	252.9400, 0.2290, 1.3570

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	254, 252, 255
Decimal	16710911
CIE <sub>Lab</sub>	99.19, 1.20, -1.23
CIE <sub>LCh</sub>	99, 1.717, 314.303
Yxy	97.9116, 0.3122, 0.3261
Android (android.graphics.Color)	4294900991 (0xFFFEFCFF)
YUV	252.9400, 1.0156, 0.9296
Hunter-Lab	98.9503, -4.0654, 4.1929

# Details

The Yxy color 97.9116, 0.3122, 0.3261 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 99.4316, 0.3132, 0.3319, and the grayscale version is 98.1644, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.9777, 0.3121, 0.3254 is the 20% darker color. If you saturate the color by 10%, you get 81.3869, 0.3076, 0.3008, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

# Distribution



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



- Red (100%)
- Yellow (99%)
- Blue (100%)



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



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.9116, 0.3122, 0.3261 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 97.9116, 0.3122, 0.3261 by changing the saturation by 10% instead.



97.9116, 0.3122,  
0.3261

97.9116, 0.3122,  
0.3261

553.4448, 0.3124,  
0.3274

74.5607, 0.3121,  
0.3258

158.2810, 0.3123,  
0.3265

55.2530, 0.3121,  
0.3255

196.0683, 0.3123,  
0.3267

39.6044, 0.3120,  
0.3251

239.4365, 0.3123,  
0.3269

27.2302, 0.3119,  
0.3246

288.7700, 0.3124,  
0.3270

17.7462, 0.3118,  
0.3239

344.4531, 0.3124,  
0.3271

10.7679, 0.3116,  
0.3229

406.8704, 0.3124,

5.9110, 0.3114,

0.3272

0.3216

476.4061, 0.3124,  
0.3273

■ 2.7910, 0.3110,  
0.3195

■ 1.0236, 0.3102,  
0.3158

■ 97.9116, 0.3122,  
0.3261

■ 97.9116, 0.3122,  
0.3261

■ 81.3869, 0.3076,  
0.3008

100.0000, 0.3127,  
0.3290

■ 66.9953, 0.3021,  
0.2740

■ 54.6466, 0.2956,  
0.2462

■ 44.2425, 0.2883,  
0.2182

■ 35.6766, 0.2802,  
0.1911

■ 28.8318, 0.2714,  
0.1660

■ 23.5773, 0.2622,  
0.1444

■ 19.7627, 0.2531,  
0.1271

■ 17.2081, 0.2442,  
0.1149

# Harmonies

## Analogous

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

97.9116, 0.3105, 0.3258

97.9116, 0.3122, 0.3261

97.9116, 0.3141, 0.3272

# Triad

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



97.9116, 0.3122, 0.3261



97.9116, 0.3161, 0.3317



97.9116, 0.3099, 0.3293

# Complementary

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



97.9116, 0.3122, 0.3261



99.4316, 0.3132, 0.3319

# 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.



97.9116, 0.3114, 0.3309



97.9116, 0.3122, 0.3261



97.9116, 0.3150, 0.3323

# Square

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



97.9116, 0.3122, 0.3261



97.9116, 0.3164, 0.3304



97.9116, 0.3132, 0.3320



97.9116, 0.3091, 0.3276



# Rectangle

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



97.9116, 0.3122, 0.3261



97.9116, 0.3152, 0.3282



97.9116, 0.3132, 0.3320



97.9116, 0.3103, 0.3299

# Sweetspot

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



97.9131, 0.3122, 0.3261

100.0000, 0.3127, 0.3290



98.1990, 0.3109, 0.3271



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

# Same Dimension

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



97.9131, 0.3122, 0.3261



98.2227, 0.3123, 0.3266



98.0734, 0.3131, 0.3266



21.0424, 0.3123, 0.3267



8.3171, 0.2381, 0.1085



0.8696, 0.2476, 0.1138



# Inverse Universe

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



97.9743, 0.3140, 0.3281



98.2748, 0.3138, 0.3282



99.2729, 0.3123, 0.3314



21.0530, 0.3138, 0.3282



11.4770, 0.5645, 0.2884



1.1368, 0.5327, 0.2708



# Previews

## White Background



This preview shows how the hex color `#799116`, `0 312`, `0 3261` 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 97.9116, 0.3122, 0.3261 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

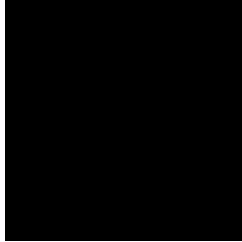
Any Text WCAG AAA ✓ Pass

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



**Yxy 97.9116, 0.3122, 0.3261**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.9116, 0.3122, 0.3261.

# 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

97.9116, 0.3122, 0.3261

### Protanopia

98.0366, 0.3134, 0.3271

### Deuteranopia

97.9727, 0.3140, 0.3281

## **Tritanopia**

97.7235, 0.3116, 0.3261

# Trichromacy

## Original Color

97.9116, 0.3122, 0.3261

## Protanomaly

98.0366, 0.3134, 0.3271

## Deuteranomaly

98.0366, 0.3134, 0.3271

## Tritanomaly

97.7235, 0.3116, 0.3261

# Monochromacy

## Original Color

97.9116, 0.3122, 0.3261

## Achromatopsia

98.2251, 0.3127, 0.3290

## Achromatomaly

98.2890, 0.3121, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 97.9116, 0.3122, 0.3261 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text is the color `rgb(254, 252, 255)` CSS property.

```
.text, #text, p{  
    color:rgb(254, 252, 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(254, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 252, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 97.9116, 0.3122, 0.3261 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(254, 252, 255) }
```

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

```
.border{ border-color:rgb(254, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(254, 252,  
255) }
```

# Background

The CSS property to change the background color of an element to Yxy 97.9116, 0.3122, 0.3261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 252, 255) }
```

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

```
.background{ background-color: rgb(254,  
252, 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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