

# Converting Colors

$Y_{xy}(100.0000, 0.3018, 0.3116)$

Have a look what the booklet for  
Yxy(100.0000, 0.3018, 0.3116)  
contains.

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# **Color**

**Yxy(98.9863, 0.3115, 0.3280)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<code>FDFFEF</code>
RGB	<code>253, 254, 255</code>
RGB Percent	<code>99%, 100%, 100%</code>
CMY	<code>0.0078, 0.0039, 0.0000</code>
CMYK	<code>0.01, 0.00, 0.00, 0.00</code>
HSL	<code>210°, 100%, 100%</code>
HSV	<code>210°, 1%, 100%</code>
XYZ	<code>94.0068, 98.9863, 108.7944</code>
YIQ	<code>253.8150, -0.9170, 0.0990</code>

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	253, 254, 255
Decimal	16645887
CIE Lab	99.61, -0.14, -0.62
CIE LCh	100, 0.638, 257.750
Yxy	98.9863, 0.3115, 0.3280
Android (android.graphics.Color)	4294835967 (0xFFFDFF)
YUV	253.8150, 0.5842, -0.7148
Hunter-Lab	99.4919, -5.4516, 4.8107

# Details

The Yxy color 98.9863, 0.3115, 0.3280 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 99.2408, 0.3139, 0.3300, and the grayscale version is 98.9438, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.7455, 0.3112, 0.3278 is the 20% darker color. If you saturate the color by 10%, you get 86.6638, 0.2959, 0.3150, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

# Distribution



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



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



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



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 98.9863, 0.3115, 0.3280 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 98.9863, 0.3115, 0.3280 by changing the saturation by 10% instead.



98.9863, 0.3115,  
0.3280

98.9863, 0.3115,  
0.3280


556.8495, 0.3120,  
0.3284

 75.4572, 0.3114,  
0.3279


159.7605, 0.3117,  
0.3282

 55.9875, 0.3112,  
0.3278


197.7744, 0.3118,  
0.3282

 40.1929, 0.3111,  
0.3276


241.3854, 0.3118,  
0.3283

 27.6890, 0.3109,  
0.3275

290.9777, 0.3119,  
0.3283

 18.0913, 0.3106,  
0.3272

346.9360, 0.3119,  
0.3283

 11.0156, 0.3102,  
0.3269

409.6444, 0.3120,

 6.0773, 0.3096,

0.3284

0.3264

479.4874, 0.3120,  
0.3284

■ 2.8922, 0.3087,  
0.3257

■ 1.0757, 0.3072,  
0.3244

98.9863, 0.3115,  
0.3280

98.9863, 0.3115,  
0.3280

■ 86.6638, 0.2959,  
0.3150

100.0000, 0.3127,  
0.3290

■ 75.4868, 0.2797,  
0.3005

■ 65.4192, 0.2632,  
0.2844

■ 56.4210, 0.2467,  
0.2670

■ 48.4492, 0.2307,  
0.2484

■ 41.4574, 0.2158,  
0.2289

■ 35.3950, 0.2024,  
0.2091

■ 30.2047, 0.1911,  
0.1893

■ 25.8203, 0.1822,  
0.1703

# Harmonies

## Analogous

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

98.9863, 0.3114, 0.3284

98.9863, 0.3115, 0.3280

98.9863, 0.3120, 0.3278

# Triad

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

98.9863, 0.3115, 0.3280

98.9863, 0.3138, 0.3290

98.9863, 0.3128, 0.3301

# Complementary

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

98.9863, 0.3115, 0.3280

99.2408, 0.3139, 0.3300

# 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.

98.9863, 0.3135, 0.3302

98.9863, 0.3115, 0.3280

98.9863, 0.3141, 0.3296

# Square

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

98.9863, 0.3115, 0.3280

98.9863, 0.3133, 0.3284

98.9863, 0.3140, 0.3300

98.9863, 0.3121, 0.3297



# Rectangle

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

98.9863, 0.3115, 0.3280

98.9863, 0.3124, 0.3279

98.9863, 0.3140, 0.3300

98.9863, 0.3131, 0.3302

# Sweetspot

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

98.9878, 0.3115, 0.3280

100.0000, 0.3127, 0.3290

99.5601, 0.3121, 0.3299

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.

98.9878, 0.3115, 0.3280

98.7057, 0.3112, 0.3278

98.3595, 0.3116, 0.3271

21.1407, 0.3113, 0.3278

12.0046, 0.1769, 0.1567

1.3872, 0.1826, 0.1774



# Inverse Universe

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



98.6712, 0.3134, 0.3281



98.3016, 0.3136, 0.3278

99.8723, 0.3139, 0.3309



21.0585, 0.3135, 0.3279



11.9398, 0.4972, 0.2513



1.1846, 0.4717, 0.2372



# Previews

## White Background

### Color Contrast Check

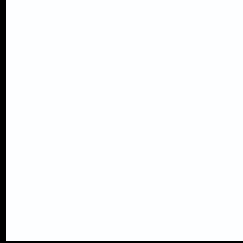
Large Text (above 18pt) WCAG AA × Fail

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 98.9863, 0.3115, 0.3280 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 98.9863, 0.3115, 0.3280**

## **Background**



This preview shows how black text looks on a background with the Yxy color 98.9863, 0.3115, 0.3280.

# 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

98.9863, 0.3115, 0.3280

### Protanopia

98.6663, 0.3134, 0.3281

### Deuteranopia

98.6663, 0.3134, 0.3281

## Tritanopia

99.1745, 0.3121, 0.3280

# Trichromacy

## Original Color

98.9863, 0.3115, 0.3280

## Protanomaly

98.4771, 0.3128, 0.3280

## Deuteranomaly

98.4771, 0.3128, 0.3280

## Tritanomaly

99.1745, 0.3121, 0.3280

# Monochromacy

## Original Color

98.9863, 0.3115, 0.3280

## Achromatopsia

99.1102, 0.3127, 0.3290

## Achromatomaly

99.1102, 0.3127, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 98.9863, 0.3115, 0.3280 is called "color". The color property can be set on classes, ids or directly on the HTML element.

```
.text, #text, p{  
    color:rgb(253, 254, 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(253, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 254, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 98.9863, 0.3115, 0.3280 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(253, 254, 255) }
```

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

```
.border{ border-color:rgb(253, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(253, 254,  
255) }
```

# Background

The CSS property to change the background color of an element to Yxy 98.9863, 0.3115, 0.3280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 254, 255) }
```

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

```
.background{ background-color: rgb(253,  
254, 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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