

# Converting Colors

$Y_{xy}(100.0000, 0.3100, 0.2988)$

Have a look what the booklet for  
Yxy(100.0000, 0.3100, 0.2988)  
contains.

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# Color

**Yxy(94.3915, 0.3131, 0.3204)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF6FF
RGB	255, 246, 255
RGB Percent	100%, 96%, 100%
CMY	0.0001, 0.0352, 0.0000
CMYK	0.00, 0.04, 0.00, 0.00
HSL	300°, 100%, 98%
HSV	300°, 4%, 100%
XYZ	92.2409, 94.3915, 107.9728
YIQ	249.7170, 2.4750, 4.7070

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 246, 255</a>
Decimal	<a href="#">16774911</a>
CIELab	<a href="#">97.79, 4.56, -3.25</a>
CIELCh	<a href="#">98, 5.599, 324.491</a>
Yxy	<a href="#">94.3915, 0.3131, 0.3204</a>
Android (android.graphics.Color)	<a href="#">4294964991</a> ( <a href="#">0xFFFFF6FF</a> )
YUV	<a href="#">249.7170, 2.6045, 4.6332</a>
Hunter-Lab	<a href="#">97.1553, -0.5508, 2.1172</a>

# Details

The Yxy color 94.3915, 0.3131, 0.3204 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97.7732, 0.3123, 0.3377, and the grayscale version is 95.3290, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 52.9099, 0.3132, 0.3193 is the 20% darker color. If you saturate the color by 10%, you get 79.9208, 0.3142, 0.2955, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

# Distribution



- Red (100%)
- Green (96%)
- Blue (100%)



- Red (100%)
- Yellow (96%)
- Blue (100%)



- Cyan (0%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.3915, 0.3131, 0.3204 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 94.3915, 0.3131, 0.3204 by changing the saturation by 10% instead.




 94.3915, 0.3131,  
0.3204

 94.3915, 0.3131,  
0.3204

542.2151, 0.3129,  
0.3242

 71.6286, 0.3131,  
0.3196

153.4237, 0.3131,  
0.3217

 52.8554, 0.3132,  
0.3186


190.4618, 0.3130,  
0.3222

 37.6873, 0.3132,  
0.3174


233.0270, 0.3130,  
0.3226

 25.7401, 0.3133,  
0.3158

281.5039, 0.3130,  
0.3230

 16.6293, 0.3133,  
0.3138

336.2767, 0.3130,  
0.3234

 9.9706, 0.3134,  
0.3110

397.7300, 0.3130,

 5.3794, 0.3135,

0.3237

0.3071

466.2479, 0.3130,  
0.3239

■ 2.4716, 0.3136,  
0.3008

■ 0.8623, 0.3137,  
0.2897

■ 94.3915, 0.3131,  
0.3204

■ 94.3915, 0.3131,  
0.3204

■ 79.9208, 0.3142,  
0.2955

100.0000, 0.3127,  
0.3290

■ 67.4899, 0.3154,  
0.2702

■ 57.0103, 0.3165,  
0.2455

■ 48.3828, 0.3175,  
0.2221

■ 41.4995, 0.3184,  
0.2011

■ 36.2417, 0.3192,  
0.1834

■ 32.4755, 0.3198,  
0.1698

■ 30.0460, 0.3201,  
0.1605

■ 28.7642, 0.3203,  
0.1554

# Harmonies

## Analogous

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



94.3915, 0.3070, 0.3185



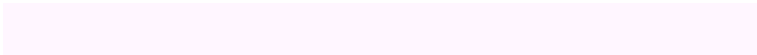
94.3915, 0.3131, 0.3204



94.3915, 0.3191, 0.3246

# Triad

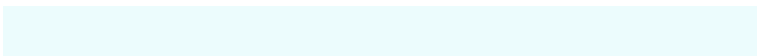
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



94.3915, 0.3131, 0.3204



94.3915, 0.3230, 0.3387



94.3915, 0.3021, 0.3280

# Complementary

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



94.3915, 0.3131, 0.3204



97.7732, 0.3123, 0.3377

# 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.



94.3915, 0.3063, 0.3335



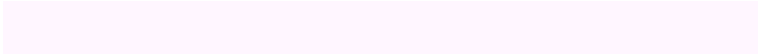
94.3915, 0.3131, 0.3204



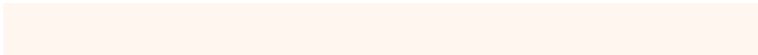
94.3915, 0.3184, 0.3398

# Square

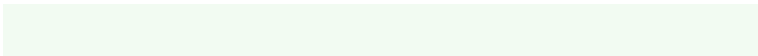
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



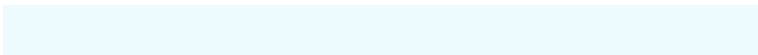
94.3915, 0.3131, 0.3204



94.3915, 0.3249, 0.3351



94.3915, 0.3123, 0.3379



94.3915, 0.3007, 0.3228



# Rectangle

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



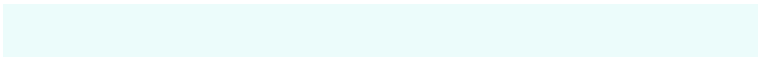
94.3915, 0.3131, 0.3204



94.3915, 0.3223, 0.3281



94.3915, 0.3123, 0.3379



94.3915, 0.3032, 0.3299

# Sweetspot

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



94.3949, 0.3131, 0.3204



98.3827, 0.3128, 0.3266



92.8249, 0.3074, 0.3204



21.0750, 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.



94.3949, 0.3131, 0.3204



93.6595, 0.3132, 0.3192



94.1221, 0.3157, 0.3246



19.7999, 0.3132, 0.3174



14.8256, 0.3204, 0.1538



1.4442, 0.3204, 0.1539



# Inverse Universe

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



93.8345, 0.3185, 0.3290



93.0256, 0.3193, 0.3290



98.0395, 0.3098, 0.3335



19.6396, 0.3206, 0.3290



11.1098, 0.6398, 0.3298



1.0819, 0.6393, 0.3295



# Previews

## White Background



This preview shows how the Yxy color 94.3915, 0.3131, 0.3204 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

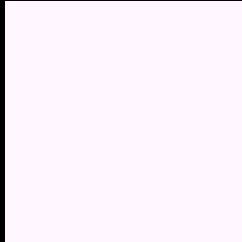
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.3915, 0.3131, 0.3204 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 94.3915, 0.3131, 0.3204**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.3915, 0.3131, 0.3204.



This preview shows how white text looks on a background with the Yxy color 94.3915, 0.3131, 0.3204.

# 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**

94.3915, 0.3131, 0.3204

**Protanopia**

94.2508, 0.3105, 0.3213

**Deuteranopia**

94.1366, 0.3155, 0.3242

## Tritanopia

94.4370, 0.3112, 0.3213

# Trichromacy



**Original Color**

94.3915, 0.3131, 0.3204

**Protanomaly**

94.4370, 0.3112, 0.3213

**Deuteranomaly**

94.1998, 0.3149, 0.3233

**Tritanomaly**

94.6242, 0.3118, 0.3213

# Monochromacy



**Original Color**

94.3915, 0.3131, 0.3204

**Achromatopsia**

95.5973, 0.3127, 0.3290

**Achromatomaly**

95.4751, 0.3129, 0.3261

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.3915, 0.3131, 0.3204 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, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 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, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 94.3915, 0.3131, 0.3204 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, 246, 255) }
```

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

```
.border{ border-color:rgb(255, 246, 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, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 246, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 246, 255); box-shadow:4px 4px 4px 4px rgb(255, 246, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.3915, 0.3131, 0.3204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 255) }
```

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

```
.background{ background-color: rgb(255,  
246, 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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