

# Converting Colors

$Y_{xy}(100.0000, 0.3052, 0.2897)$

Have a look what the booklet for  
Yxy(100.0000, 0.3052, 0.2897)  
contains.

<b>Yxy(93.7848, 0.3132, 0.3194)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(93.7848, 0.3132, 0.3194)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF5FF
RGB	255, 245, 255
RGB Percent	100%, 96%, 100%
CMY	0.0000, 0.0393, 0.0000
CMYK	0.00, 0.04, 0.00, 0.00
HSL	300°, 100%, 98%
HSV	300°, 4%, 100%
XYZ	91.9643, 93.7848, 107.8789
YIQ	249.1300, 2.7500, 5.2300

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 245, 255
Decimal	16774655
CIE Lab	97.55, 5.12, -3.62
CIE LCh	98, 6.265, 324.749
Yxy	93.7848, 0.3132, 0.3194
Android (android.graphics.Color)	4294964735 (0xFFFFF5FF)
YUV	249.1300, 2.8939, 5.1480
Hunter-Lab	96.8426, 0.0340, 1.7430

# Details

The Yxy color 93.7848, 0.3132, 0.3194 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97.5206, 0.3123, 0.3388, and the grayscale version is 94.8077, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 52.4782, 0.3132, 0.3181 is the 20% darker color. If you saturate the color by 10%, you get 79.3947, 0.3143, 0.2945, 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 93.7848, 0.3132, 0.3194 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 93.7848, 0.3132, 0.3194 by changing the saturation by 10% instead.




 93.7848, 0.3132,  
0.3194

 93.7848, 0.3132,  
0.3194


540.2673, 0.3130,  
0.3236

 71.1240, 0.3132,  
0.3185


152.5847, 0.3131,  
0.3208

 52.4434, 0.3133,  
0.3174

189.4925, 0.3131,  
0.3214

 37.3586, 0.3133,  
0.3160


231.9182, 0.3131,  
0.3219

 25.4853, 0.3134,  
0.3143

280.2460, 0.3131,  
0.3223

 16.4390, 0.3135,  
0.3120

334.8605, 0.3130,  
0.3227

 9.8353, 0.3136,  
0.3089

396.1459, 0.3130,

 5.2899, 0.3137,

0.3230

0.3045

464.4867, 0.3130,  
0.3233

■ 2.4183, 0.3139,  
0.2975

■ 0.8353, 0.3141,  
0.2848

■ 93.7848, 0.3132,  
0.3194

■ 93.7848, 0.3132,  
0.3194


■ 79.3947, 0.3143,  
0.2945


100.0000, 0.3127,  
0.3290


■ 67.0554, 0.3155,  
0.2693


■ 56.6634, 0.3167,  
0.2445

■ 48.1194, 0.3178,  
0.2213

 41.3151, 0.3187,  
0.2004

 36.1311, 0.3196,  
0.1829

 32.4329, 0.3202,  
0.1695

 30.0646, 0.3206,  
0.1604

 28.8354, 0.3209,  
0.1556

# Harmonies

## Analogous

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



93.7848, 0.3064, 0.3172



93.7848, 0.3132, 0.3194



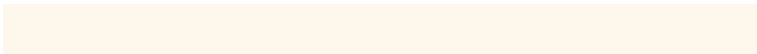
93.7848, 0.3200, 0.3241

# Triad

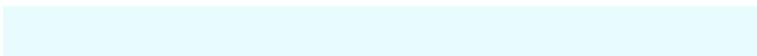
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.7848, 0.3132, 0.3194



93.7848, 0.3242, 0.3399



93.7848, 0.3008, 0.3278

# Complementary

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



93.7848, 0.3132, 0.3194



97.5206, 0.3123, 0.3388

# 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.



93.7848, 0.3055, 0.3340



93.7848, 0.3132, 0.3194



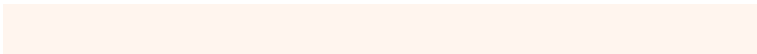
93.7848, 0.3190, 0.3411

# Square

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



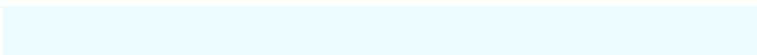
93.7848, 0.3132, 0.3194



93.7848, 0.3264, 0.3359



93.7848, 0.3121, 0.3389



93.7848, 0.2993, 0.3220

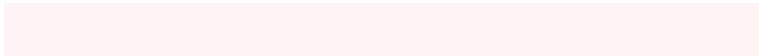


# Rectangle

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



93.7848, 0.3132, 0.3194



93.7848, 0.3235, 0.3280



93.7848, 0.3121, 0.3389



93.7848, 0.3021, 0.3299

# Sweetspot

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



93.7737, 0.3132, 0.3194



98.3838, 0.3128, 0.3266



91.9228, 0.3068, 0.3192



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.



93.7737, 0.3132, 0.3194



92.1332, 0.3133, 0.3168



93.4552, 0.3162, 0.3242



19.4928, 0.3134, 0.3150



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542



# Inverse Universe

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



93.7737, 0.3132, 0.3194



92.1332, 0.3133, 0.3168



97.8307, 0.3094, 0.3339



19.4928, 0.3134, 0.3150



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 93.7848, 0.3132, 0.3194 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

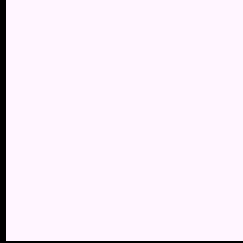
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.7848, 0.3132, 0.3194 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

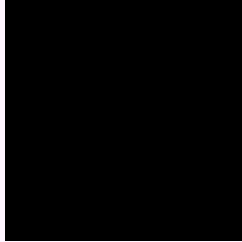
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 93.7848, 0.3132, 0.3194**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.7848, 0.3132, 0.3194.

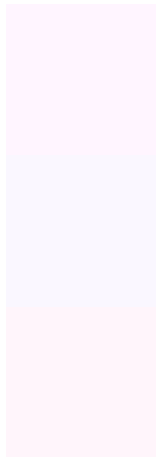


This preview shows how white text looks on a background with the Yxy color 93.7848, 0.3132, 0.3194.

# 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

93.7848, 0.3132, 0.3194

### Protanopia

94.0655, 0.3099, 0.3213

### Deuteranopia

93.5299, 0.3156, 0.3232



## Tritanopia

93.8270, 0.3112, 0.3203

# Trichromacy



**Original Color**

93.7848, 0.3132, 0.3194

**Protanomaly**

93.8270, 0.3112, 0.3203

**Deuteranomaly**

93.5931, 0.3150, 0.3223

**Tritanomaly**

94.0142, 0.3118, 0.3204

# Monochromacy



**Original Color**

93.7848, 0.3132, 0.3194

**Achromatopsia**

94.7307, 0.3127, 0.3290

**Achromatomaly**

94.6091, 0.3129, 0.3261

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.7848, 0.3132, 0.3194 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 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, 245, 255) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to Yxy 93.7848, 0.3132, 0.3194 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, 255) }
```

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

```
.border{ border-color:rgb(255, 245, 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, 245, 255)` colored shadow looks like.

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



# Background

The CSS property to change the background color of an element to Yxy 93.7848, 0.3132, 0.3194 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, 255) }
```

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

```
.background{ background-color: rgb(255,  
245, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor