

# Converting Colors

$Y_{xy}(100.0000, 0.3368, 0.3288)$

Have a look what the booklet for  
Yxy(100.0000, 0.3368, 0.3288)  
contains.

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# Color

**Yxy(93.8869, 0.3179, 0.3281)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF6F7
RGB	255, 246, 247
RGB Percent	100%, 96%, 97%
CMY	0.0002, 0.0352, 0.0315
CMYK	0.00, 0.04, 0.03, 0.00
HSL	354°, 99%, 98%
HSV	354°, 4%, 100%
XYZ	90.9681, 93.8869, 101.2983
YIQ	248.8050, 5.0430, 2.2190

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 246, 247
Decimal	16774903
CIE <sub>Lab</sub>	97.59, 3.15, 0.59
CIE <sub>LCh</sub>	98, 3.202, 10.705
Yxy	93.8869, 0.3179, 0.3281
Android (android.graphics.Color)	4294964983 (0xFFFFF6F7)
YUV	248.8050, -0.8899, 5.4330
Hunter-Lab	96.8953, -1.9856, 5.8425

# Details

The Yxy color 93.8869, 0.3179, 0.3281 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98.2455, 0.3078, 0.3299, and the grayscale version is 94.5643, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 52.5943, 0.3185, 0.3278 is the 20% darker color. If you saturate the color by 10%, you get 78.1071, 0.3351, 0.3254, and if you desaturate by 10%, it is 99.9917, 0.3127, 0.3290.

# Distribution



Red (100%)

Green (96%)

Blue (97%)



Red (100%)

Yellow (96%)

Blue (97%)



Cyan (0%)

Magenta (4%)

Yellow (3%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.8869, 0.3179, 0.3281 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 93.8869, 0.3179, 0.3281 by changing the saturation by 10% instead.




 93.8869, 0.3179,  
0.3281

 93.8869, 0.3179,  
0.3281


540.5953, 0.3156,  
0.3285

 71.2089, 0.3184,  
0.3280


152.7259, 0.3171,  
0.3282

 52.5127, 0.3190,  
0.3279


189.6557, 0.3168,  
0.3283

 37.4139, 0.3198,  
0.3278


232.1049, 0.3166,  
0.3283

 25.5281, 0.3207,  
0.3276

280.4578, 0.3163,  
0.3284

 16.4710, 0.3220,  
0.3274

335.0990, 0.3161,  
0.3284

 9.8580, 0.3237,  
0.3270

396.4127, 0.3159,

 5.3049, 0.3262,

0.3285

0.3266

464.7833, 0.3158,  
0.3285

■ 2.4273, 0.3303,  
0.3258

■ 0.8399, 0.3383,  
0.3245

■ 93.8869, 0.3179,  
0.3281

■ 93.8869, 0.3179,  
0.3281

■ 78.1071, 0.3351,  
0.3254

99.9917, 0.3127,  
0.3290

■ 64.5317, 0.3566,  
0.3226

■ 53.0661, 0.3832,  
0.3197

■ 43.6044, 0.4157,  
0.3170

■ 36.0313, 0.4544,  
0.3148

■ 30.2198, 0.4981,  
0.3138

■ 26.0275, 0.5436,  
0.3144

■ 23.2893, 0.5853,  
0.3170

■ 21.8053, 0.6168,  
0.3215

# Harmonies

## Analogous

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



93.8869, 0.3149, 0.3252



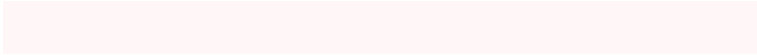
93.8869, 0.3179, 0.3281



93.8869, 0.3195, 0.3312

# Triad

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



93.8869, 0.3179, 0.3281



93.8869, 0.3141, 0.3348



93.8869, 0.3062, 0.3242

# Complementary

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



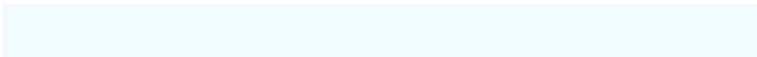
93.8869, 0.3179, 0.3281



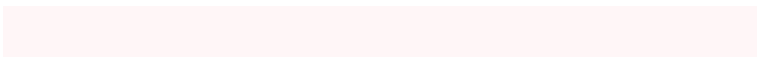
98.2455, 0.3078, 0.3299

# Split Complementary

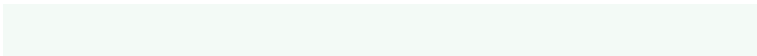
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.8869, 0.3060, 0.3268



93.8869, 0.3179, 0.3281



93.8869, 0.3106, 0.3329

# Square

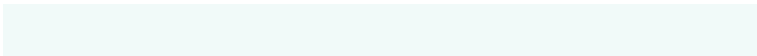
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



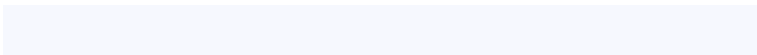
93.8869, 0.3179, 0.3281



93.8869, 0.3173, 0.3351



93.8869, 0.3076, 0.3299



93.8869, 0.3081, 0.3230



# Rectangle

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



93.8869, 0.3179, 0.3281



93.8869, 0.3196, 0.3331



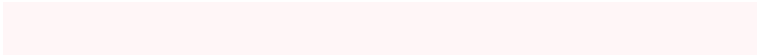
93.8869, 0.3076, 0.3299



93.8869, 0.3059, 0.3249

# Sweetspot

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



93.8910, 0.3179, 0.3281



98.2378, 0.3142, 0.3287



94.1975, 0.3125, 0.3204



21.0455, 0.3141, 0.3288



0.0000, 0.0000, 0.0000

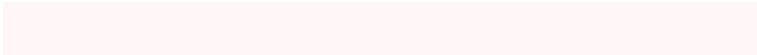


21.4041, 0.3127, 0.3290



# Same Dimension

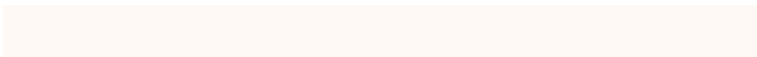
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.8910, 0.3179, 0.3281



93.0905, 0.3187, 0.3280



95.9354, 0.3182, 0.3323



19.6559, 0.3198, 0.3278



11.1604, 0.6279, 0.3233

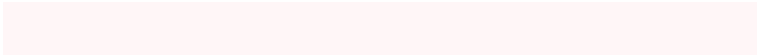


1.0964, 0.6057, 0.3111



# Inverse Universe

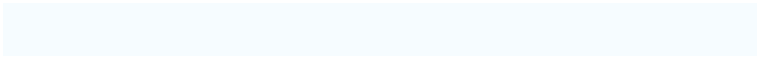
The Inverse Universe completely reimagines the original color for something new.



93.8910, 0.3179, 0.3281



93.0905, 0.3187, 0.3280



96.1414, 0.3073, 0.3257



19.6559, 0.3198, 0.3278



11.1604, 0.6279, 0.3233

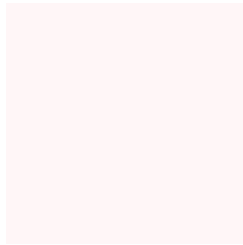


1.0964, 0.6057, 0.3111



# Previews

## White Background



This preview shows how the Yxy color 93.8869, 0.3179, 0.3281 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

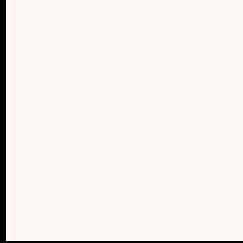
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.8869, 0.3179, 0.3281 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

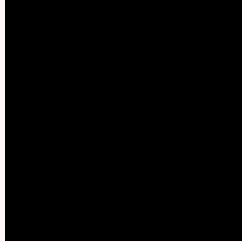
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

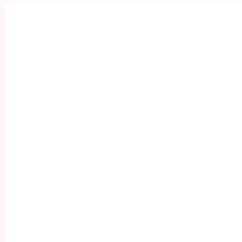
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 93.8869, 0.3179, 0.3281**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.8869, 0.3179, 0.3281.



This preview shows how white text looks on a background with the Yxy color 93.8869, 0.3179, 0.3281.

# 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

93.8869, 0.3179, 0.3281

### Protanopia

93.9324, 0.3159, 0.3290

### Deuteranopia

93.9488, 0.3173, 0.3271

## Tritanopia

93.8270, 0.3112, 0.3203

# Trichromacy

A vertical bar with a color gradient from light pink at the top to light purple at the bottom.

**Original Color**

93.8869, 0.3179, 0.3281

**Protanomaly**

94.1196, 0.3166, 0.3290

**Deuteranomaly**

93.9488, 0.3173, 0.3271

**Tritanomaly**

93.8225, 0.3136, 0.3232

# Monochromacy

A vertical bar with a color gradient from light pink at the top to light grey at the bottom.

**Original Color**

93.8869, 0.3179, 0.3281

**Achromatopsia**

94.7307, 0.3127, 0.3290

**Achromatomaly**

94.4213, 0.3146, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.8869, 0.3179, 0.3281 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, 247) looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 247)  
}
```

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, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 93.8869, 0.3179, 0.3281 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, 247) }
```

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

```
.border{ border-color:rgb(255, 246, 247) }
```

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, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.8869, 0.3179, 0.3281 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, 247) }
```

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

```
.background{ background-color: rgb(255,  
246, 247) }
```

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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