

# Converting Colors

$Yxy(93.1689, 0.3179, 0.3267)$

Have a look what the booklet for  
Yxy(93.1689, 0.3179, 0.3267)  
contains.

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# Color

**Yxy(93.2802, 0.3180, 0.3271)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF5F7
RGB	255, 245, 247
RGB Percent	100%, 96%, 97%
CMY	0.0000, 0.0392, 0.0314
CMYK	0.00, 0.04, 0.03, 0.00
HSL	348°, 100%, 98%
HSV	348°, 4%, 100%
XYZ	90.6851, 93.2802, 101.2080
YIQ	248.2180, 5.3180, 2.7420

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 245, 247
Decimal	16774647
CIE Lab	97.34, 3.69, 0.23
CIE LCh	97, 3.699, 3.566
Yxy	93.2802, 0.3180, 0.3271
Android (android.graphics.Color)	4294964727 (0xFFFFF5F7)
YUV	248.2180, -0.6005, 5.9478
Hunter-Lab	96.5817, -1.4158, 5.4771

# Details

The Yxy color 93.2802, 0.3180, 0.3271 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98.0254, 0.3077, 0.3309, and the grayscale version is 94.0568, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 52.1625, 0.3186, 0.3266 is the 20% darker color. If you saturate the color by 10%, you get 77.7057, 0.3336, 0.3220, and if you desaturate by 10%, it is 100.0000, 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 93.2802, 0.3180, 0.3271 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 93.2802, 0.3180, 0.3271 by changing the saturation by 10% instead.




 93.2802, 0.3180,  
0.3271

 93.2802, 0.3180,  
0.3271

538.6444, 0.3157,  
0.3280

 70.7044, 0.3185,  
0.3269

151.8865, 0.3172,  
0.3274

 52.1010, 0.3191,  
0.3267


188.6858, 0.3169,  
0.3275

 37.0856, 0.3199,  
0.3264


230.9950, 0.3166,  
0.3276

 25.2738, 0.3209,  
0.3260

279.1986, 0.3164,  
0.3277

 16.2811, 0.3222,  
0.3256

333.6810, 0.3162,  
0.3278

 9.7233, 0.3239,  
0.3249

394.8265, 0.3160,

 5.2159, 0.3265,

0.3278

0.3240

463.0195, 0.3158,  
0.3279

■ 2.3745, 0.3307,  
0.3224

■ 0.8127, 0.3391,  
0.3194

■ 93.2802, 0.3180,  
0.3271

■ 93.2802, 0.3180,  
0.3271

■ 77.7057, 0.3336,  
0.3220

100.0000, 0.3127,  
0.3290

■ 64.3054, 0.3530,  
0.3166

■ 52.9817, 0.3769,  
0.3112

■ 43.6303, 0.4059,  
0.3060

■ 36.1377, 0.4404,  
0.3017

■ 30.3788, 0.4797,  
0.2990

■ 26.2131, 0.5215,  
0.2991

■ 23.4780, 0.5620,  
0.3025

■ 21.9754, 0.5959,  
0.3095

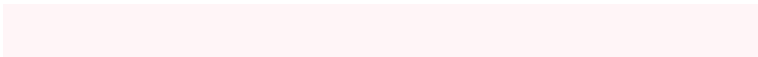
# Harmonies

## Analogous

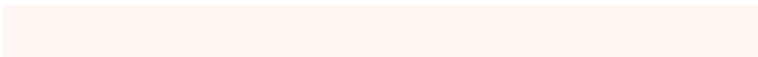
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.2802, 0.3142, 0.3240



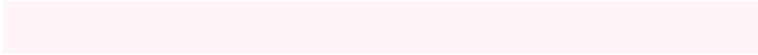
93.2802, 0.3180, 0.3271



93.2802, 0.3203, 0.3307

# Triad

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



93.2802, 0.3180, 0.3271



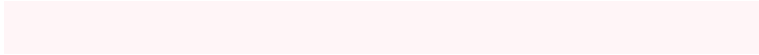
93.2802, 0.3153, 0.3359



93.2802, 0.3049, 0.3240

# Complementary

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



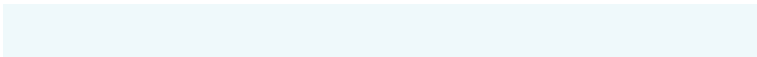
93.2802, 0.3180, 0.3271



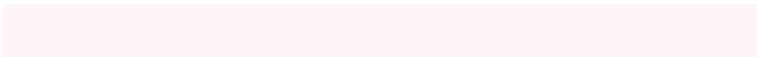
98.0254, 0.3077, 0.3309

# 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.



93.2802, 0.3052, 0.3272



93.2802, 0.3180, 0.3271



93.2802, 0.3112, 0.3341

# Square

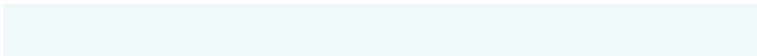
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.2802, 0.3180, 0.3271



93.2802, 0.3188, 0.3359



93.2802, 0.3075, 0.3309

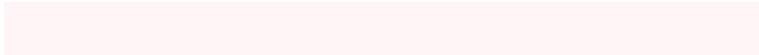


93.2802, 0.3067, 0.3222

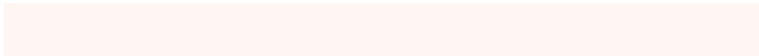


# Rectangle

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



93.2802, 0.3180, 0.3271



93.2802, 0.3208, 0.3330



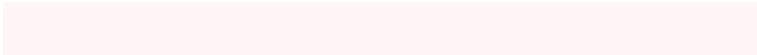
93.2802, 0.3075, 0.3309



93.2802, 0.3047, 0.3250

# Sweetspot

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



93.2797, 0.3180, 0.3271



98.2528, 0.3140, 0.3285



93.4078, 0.3119, 0.3194



21.0486, 0.3140, 0.3285



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.



93.2797, 0.3180, 0.3271



91.4924, 0.3195, 0.3266



94.9876, 0.3190, 0.3319



19.3369, 0.3205, 0.3262



11.2485, 0.6084, 0.3125

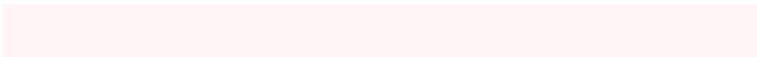


1.1098, 0.5787, 0.2961



# Inverse Universe

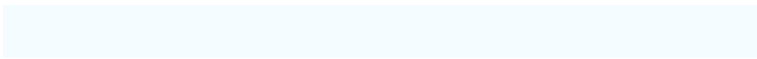
The Inverse Universe completely reimagines the original color for something new.



93.2797, 0.3180, 0.3271



91.4924, 0.3195, 0.3266



96.2535, 0.3066, 0.3261



19.3369, 0.3205, 0.3262



11.2485, 0.6084, 0.3125

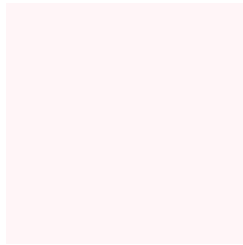


1.1098, 0.5787, 0.2961



# Previews

## White Background



This preview shows how the Yxy color 93.2802, 0.3180, 0.3271 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

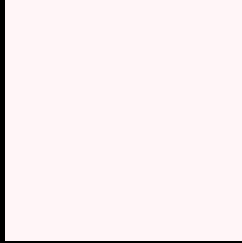
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.2802, 0.3180, 0.3271 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

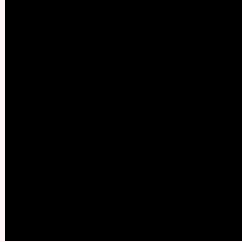
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 93.2802, 0.3180, 0.3271**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.2802, 0.3180, 0.3271.



This preview shows how white text looks on a background with the Yxy color 93.2802, 0.3180, 0.3271.

# 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**

93.2802, 0.3180, 0.3271

**Protanopia**

93.1981, 0.3147, 0.3271

**Deuteranopia**

93.3421, 0.3174, 0.3261



## Tritanopia

93.4075, 0.3119, 0.3194

# Trichromacy



**Original Color**

93.2802, 0.3180, 0.3271

**Protanomaly**

93.3843, 0.3154, 0.3271

**Deuteranomaly**

93.3421, 0.3174, 0.3261

**Tritanomaly**

93.4039, 0.3143, 0.3223

# Monochromacy



**Original Color**

93.2802, 0.3180, 0.3271

**Achromatopsia**

93.8686, 0.3127, 0.3290

**Achromatomaly**

93.8081, 0.3147, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.2802, 0.3180, 0.3271 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, 247) looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 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, 245, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 93.2802, 0.3180, 0.3271 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, 247) }
```

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

```
.border{ border-color:rgb(255, 245, 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, 245, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 245, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 245, 247); box-shadow:4px 4px 4px 4px rgb(255, 245, 247) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.2802, 0.3180, 0.3271 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, 247) }
```

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

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