

# Converting Colors

$Y_{xy}(91.4700, 0.3238, 0.3214)$

Have a look what the booklet for  
Yxy(91.4700, 0.3238, 0.3214)  
contains.

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# Color

**Yxy(89.7084, 0.3184, 0.3213)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEFF7
RGB	255, 239, 247
RGB Percent	100%, 94%, 97%
CMY	0.0000, 0.0627, 0.0315
CMYK	0.00, 0.06, 0.03, 0.00
HSL	330°, 100%, 97%
HSV	330°, 6%, 100%
XYZ	88.8987, 89.7084, 100.5974
YIQ	244.6960, 6.9680, 5.8800

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	255, 239, 247
Decimal	16773111
CIE Lab	95.88, 6.75, -1.90
CIE LCh	96, 7.018, 344.263
Yxy	89.7084, 0.3184, 0.3213
Android (android.graphics.Color)	4294963191 (0xFFFEFF7)
YUV	244.6960, 1.1359, 9.0366
Hunter-Lab	94.7145, 1.7891, 3.3276

# Details

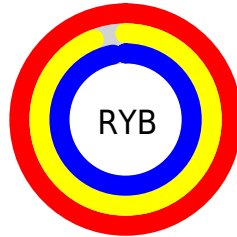
The Yxy color **89.7084, 0.3184, 0.3213** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **96.5882, 0.3074, 0.3368**, and the grayscale version is **91.0363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6343, 0.3191, 0.3192** is the 20% darker color. If you saturate the color by 10%, you get **75.0504, 0.3289, 0.3084**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

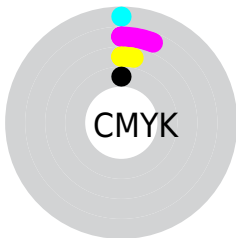
# Distribution



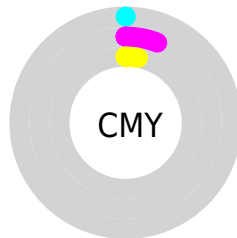
- Red (100%)
- Green (94%)
- Blue (97%)



- Red (100%)
- Yellow (94%)
- Blue (97%)



- Cyan (0%)
- Magenta (6%)
- Yellow (3%)
- Black (0%)




- Cyan (0%)
- Magenta (6%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.7084, 0.3184, 0.3213 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 89.7084, 0.3184, 0.3213 by changing the saturation by 10% instead.




 89.7084, 0.3184,  
0.3213

 89.7084, 0.3184,  
0.3213


527.0818, 0.3159,  
0.3247

 67.7388, 0.3190,  
0.3206


146.9333, 0.3175,  
0.3225

 49.6853, 0.3196,  
0.3196


182.9574, 0.3172,  
0.3229

 35.1634, 0.3205,  
0.3185

224.4351, 0.3169,  
0.3233

 23.7888, 0.3215,  
0.3171

271.7508, 0.3167,  
0.3237

 15.1770, 0.3229,  
0.3152

325.2890, 0.3164,  
0.3240

 8.9437, 0.3249,  
0.3126

385.4339, 0.3162,

 4.7045, 0.3277,

0.3243

0.3088

452.5701, 0.3160,  
0.3245

■ 2.0749, 0.3323,  
0.3027

■ 0.6505, 0.3443,  
0.2859

■ 89.7084, 0.3184,  
0.3213

■ 89.7084, 0.3184,  
0.3213

■ 75.0504, 0.3289,  
0.3084

100.0000, 0.3127,  
0.3290

■ 62.4662, 0.3416,  
0.2951

■ 51.8588, 0.3568,  
0.2816

■ 43.1257, 0.3746,  
0.2687

■ 36.1552, 0.3952,  
0.2573

■ 30.8234, 0.4181,  
0.2486

■ 26.9905, 0.4427,  
0.2439

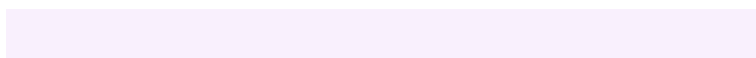
■ 24.4923, 0.4679,  
0.2443

■ 23.1250, 0.4922,  
0.2502

# Harmonies

## Analogous

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



89.7084, 0.3104, 0.3169



89.7084, 0.3184, 0.3213



89.7084, 0.3249, 0.3278

# Triad

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



89.7084, 0.3184, 0.3213



89.7084, 0.3222, 0.3427



89.7084, 0.2976, 0.3231

# Complementary

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



89.7084, 0.3184, 0.3213



96.5882, 0.3074, 0.3368

# 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.



89.7084, 0.3007, 0.3301



89.7084, 0.3184, 0.3213



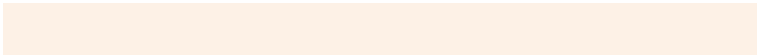
89.7084, 0.3149, 0.3416

# Square

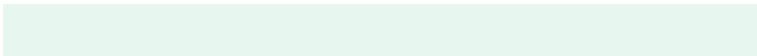
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



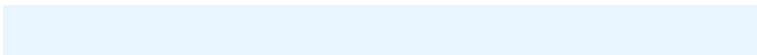
89.7084, 0.3184, 0.3213



89.7084, 0.3271, 0.3401



89.7084, 0.3070, 0.3369



89.7084, 0.2985, 0.3178

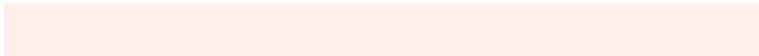


# Rectangle

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



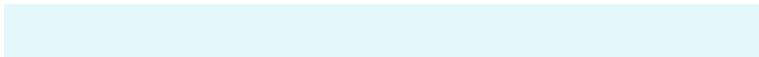
89.7084, 0.3184, 0.3213



89.7084, 0.3275, 0.3324



89.7084, 0.3070, 0.3369



89.7084, 0.2982, 0.3253

# Sweetspot

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



89.7064, 0.3184, 0.3213



96.6252, 0.3144, 0.3266



88.7273, 0.3082, 0.3134



20.7171, 0.3144, 0.3267



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

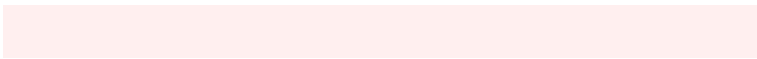
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.7064, 0.3184, 0.3213



87.0256, 0.3201, 0.3191



89.2251, 0.3234, 0.3290



18.1379, 0.3216, 0.3172



11.9391, 0.4973, 0.2513



1.1845, 0.4718, 0.2373



# Inverse Universe

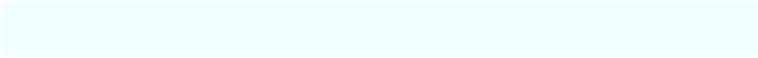
The Inverse Universe completely reimagines the original color for something new.



89.7064, 0.3184, 0.3213



87.0256, 0.3201, 0.3191



97.0907, 0.3029, 0.3290



18.1379, 0.3216, 0.3172



11.9391, 0.4973, 0.2513

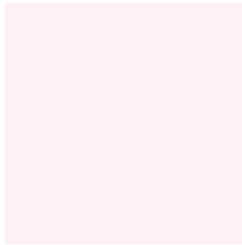


1.1845, 0.4718, 0.2373



# Previews

## White Background



This preview shows how the Yxy color 89.7084, 0.3184, 0.3213 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

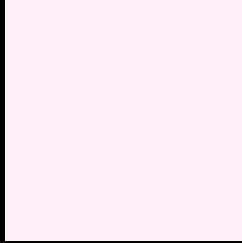
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.7084, 0.3184, 0.3213 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

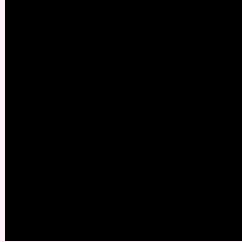
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 89.7084, 0.3184, 0.3213**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.7084, 0.3184, 0.3213.

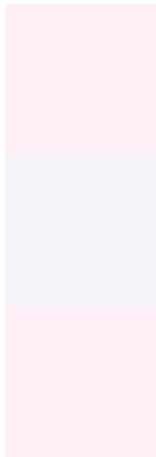


This preview shows how white text looks on a background with the Yxy color 89.7084, 0.3184, 0.3213.

# 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

89.7084, 0.3184, 0.3213

### Protanopia

89.9366, 0.3111, 0.3221

### Deuteranopia

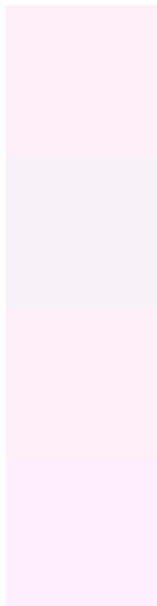
89.6468, 0.3190, 0.3222



## Tritanopia

89.6291, 0.3135, 0.3127

# Trichromacy



## Original Color

89.7084, 0.3184, 0.3213

## Protanomaly

89.8276, 0.3137, 0.3222

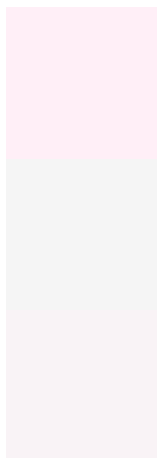
## Deuteranomaly

89.6468, 0.3190, 0.3222

## Tritanomaly

89.4373, 0.3153, 0.3155

# Monochromacy



## Original Color

89.7084, 0.3184, 0.3213

## Achromatopsia

91.3099, 0.3127, 0.3290

## Achromatomaly

90.8947, 0.3148, 0.3261

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  89.7084, 0.3184, 0.3213 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  $rgb(255, 239, 247)$  looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 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, 239, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 89.7084, 0.3184, 0.3213 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, 239, 247) }
```

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

```
.border{ border-color:rgb(255, 239, 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, 239, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.7084, 0.3184, 0.3213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 247) }
```

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

```
.background{ background-color: rgb(255,  
239, 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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