

# Converting Colors

$Y_{xy}(100.0000, 0.3494, 0.3209)$

Have a look what the booklet for  
Yxy(100.0000, 0.3494, 0.3209)  
contains.

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# Color

**Yxy(89.7703, 0.3177, 0.3203)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEFF8
RGB	255, 239, 248
RGB Percent	100%, 94%, 97%
CMY	0.0001, 0.0627, 0.0274
CMYK	0.00, 0.06, 0.03, 0.00
HSL	326°, 100%, 97%
HSV	326°, 6%, 100%
XYZ	89.0416, 89.7703, 101.4575
YIQ	244.8100, 6.6470, 6.1910

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 239, 248
Decimal	16773112
CIE Lab	95.90, 6.91, -2.41
CIE LCh	96, 7.315, 340.743
Yxy	89.7703, 0.3177, 0.3203
Android (android.graphics.Color)	4294963192 (0xFFFFE8F8)
YUV	244.8100, 1.5727, 8.9366
Hunter-Lab	94.7472, 1.9433, 2.8339

# Details

The Yxy color **89.7703, 0.3177, 0.3203** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **96.5009, 0.3080, 0.3379**, and the grayscale version is **91.1330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6785, 0.3183, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **75.2135, 0.3270, 0.3058**, and if you desaturate by 10%, it is **99.9929, 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 89.7703, 0.3177, 0.3203 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 89.7703, 0.3177, 0.3203 by changing the saturation by 10% instead.



 89.7703, 0.3177,  
0.3203

 89.7703, 0.3177,  
0.3203


527.2834, 0.3155,  
0.3242

 67.7901, 0.3182,  
0.3195


147.0193, 0.3170,  
0.3216

 49.7270, 0.3188,  
0.3184


183.0569, 0.3167,  
0.3221

 35.1966, 0.3195,  
0.3172


224.5492, 0.3164,  
0.3226

 23.8143, 0.3204,  
0.3155

271.8804, 0.3162,  
0.3230

 15.1959, 0.3216,  
0.3134

325.4351, 0.3160,  
0.3233

 8.9570, 0.3233,  
0.3105

385.5975, 0.3158,

 4.7132, 0.3258,

0.3236

0.3062

452.7521, 0.3156,  
0.3239

■ 2.0800, 0.3297,  
0.2994

■ 0.6533, 0.3399,  
0.2813

■ 89.7703, 0.3177,  
0.3203

■ 89.7703, 0.3177,  
0.3203

■ 75.2135, 0.3270,  
0.3058

99.9929, 0.3127,  
0.3290

■ 62.7110, 0.3380,  
0.2907

■ 52.1722, 0.3511,  
0.2756

■ 43.4950, 0.3663,  
0.2611

■ 36.5683, 0.3837,  
0.2481

■ 31.2687, 0.4029,  
0.2380

■ 27.4568, 0.4234,  
0.2318

■ 24.9692, 0.4443,  
0.2306

■ 23.6028, 0.4647,  
0.2349

# Harmonies

## Analogous

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



89.7703, 0.3094, 0.3160



89.7703, 0.3177, 0.3203



89.7703, 0.3248, 0.3269

# Triad

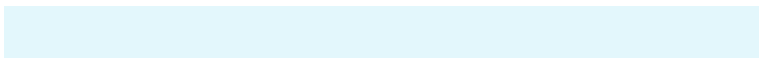
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.7703, 0.3177, 0.3203



89.7703, 0.3234, 0.3432



89.7703, 0.2971, 0.3236

# Complementary

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



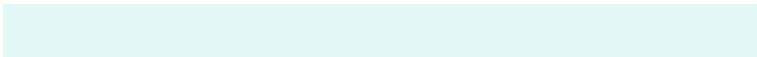
89.7703, 0.3177, 0.3203



96.5009, 0.3080, 0.3379

# 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.



89.7703, 0.3008, 0.3311



89.7703, 0.3177, 0.3203



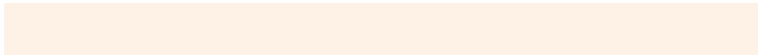
89.7703, 0.3159, 0.3424

# Square

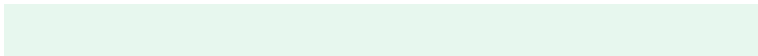
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



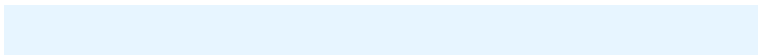
89.7703, 0.3177, 0.3203



89.7703, 0.3281, 0.3400



89.7703, 0.3076, 0.3380



89.7703, 0.2976, 0.3178

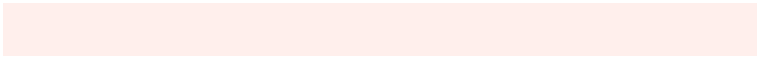


# Rectangle

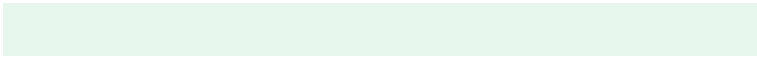
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



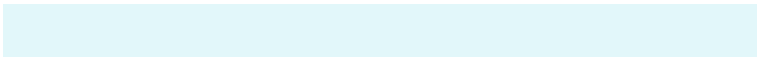
89.7703, 0.3177, 0.3203



89.7703, 0.3278, 0.3317



89.7703, 0.3076, 0.3380



89.7703, 0.2979, 0.3260

# Sweetspot

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



89.7742, 0.3177, 0.3203



96.6469, 0.3142, 0.3263



88.5398, 0.3076, 0.3134



20.7215, 0.3142, 0.3264



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

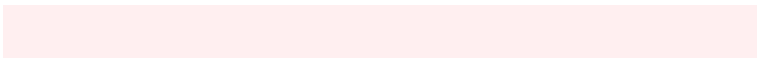
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.7742, 0.3177, 0.3203



87.1091, 0.3192, 0.3178



89.2915, 0.3227, 0.3280



18.1589, 0.3205, 0.3157



12.1916, 0.4691, 0.2358



1.2090, 0.4475, 0.2239



# Inverse Universe

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



89.7742, 0.3177, 0.3203



87.1091, 0.3192, 0.3178



96.9990, 0.3036, 0.3300



18.1589, 0.3205, 0.3157



12.1916, 0.4691, 0.2358

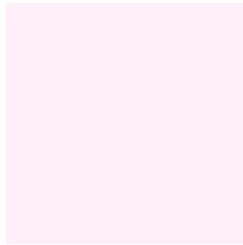


1.2090, 0.4475, 0.2239



# Previews

## White Background



This preview shows how the Yxy color 89.7703, 0.3177, 0.3203 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

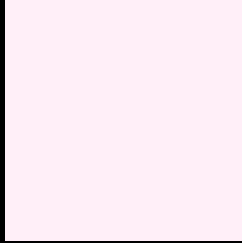
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.7703, 0.3177, 0.3203 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

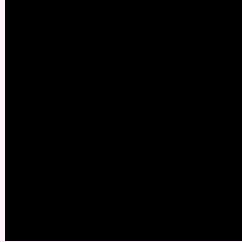
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 89.7703, 0.3177, 0.3203**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.7703, 0.3177, 0.3203.

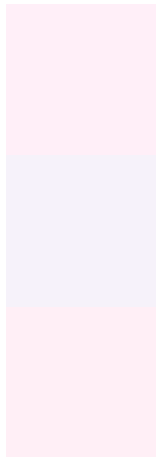


This preview shows how white text looks on a background with the Yxy color 89.7703, 0.3177, 0.3203.

# 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

89.7703, 0.3177, 0.3203

### Protanopia

89.9992, 0.3105, 0.3211

### Deuteranopia

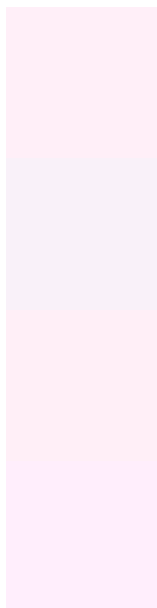
89.6468, 0.3190, 0.3222



## Tritanopia

89.6291, 0.3135, 0.3127

# Trichromacy



## Original Color

89.7703, 0.3177, 0.3203

## Protanomaly

89.8899, 0.3131, 0.3212

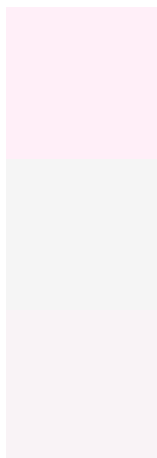
## Deuteranomaly

89.7084, 0.3184, 0.3213

## Tritanomaly

89.4373, 0.3153, 0.3155

# Monochromacy



## Original Color

89.7703, 0.3177, 0.3203

## 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 89.7703, 0.3177, 0.3203 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, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 248)  
}
```

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, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 89.7703, 0.3177, 0.3203 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, 248) }
```

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

```
.border{ border-color:rgb(255, 239, 248) }
```

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, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.7703, 0.3177, 0.3203 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, 248) }
```

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

```
.background{ background-color: rgb(255,  
239, 248) }
```

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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