

# Converting Colors

$Y_{xy}(79.7824, 0.3234, 0.3100)$

Have a look what the booklet for  
Yxy(79.7824, 0.3234, 0.3100)  
contains.

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# Color

**Yxy(79.8534, 0.3235, 0.3103)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDEF1
RGB	255, 222, 241
RGB Percent	100%, 87%, 95%
CMY	0.0000, 0.1295, 0.0549
CMYK	0.00, 0.13, 0.05, 0.00
HSL	325°, 100%, 94%
HSV	325°, 13%, 100%
XYZ	83.2503, 79.8534, 94.2388
YIQ	234.0330, 13.5690, 12.9050

# Conversions

## Conversions Part 2

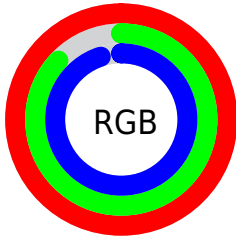
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 222, 241
Decimal	16768753
CIE <sub>Lab</sub>	91.62, 14.52, -5.05
CIE <sub>LCh</sub>	92, 15.372, 340.826
Yxy	79.8534, 0.3235, 0.3103
Android (android.graphics.Color)	4294958833 (0xFFFFDEF1)
YUV	234.0330, 3.4347, 18.3881
Hunter-Lab	89.3607, 9.9131, 0.0259

# Details

The Yxy color **79.8534, 0.3235, 0.3103** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **93.1039, 0.3032, 0.3485**, and the grayscale version is **82.2654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.1460, 0.3257, 0.3064** is the 20% darker color. If you saturate the color by 10%, you get **66.6843, 0.3337, 0.2951**, and if you desaturate by 10%, it is **95.0981, 0.3149, 0.3249**.

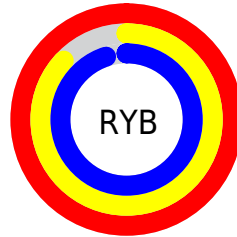
# Distribution



Red (100%)

Green (87%)

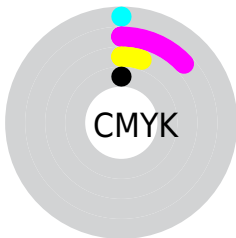
Blue (95%)



Red (100%)

Yellow (87%)

Blue (95%)

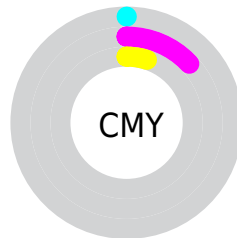


Cyan (0%)

Magenta (13%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.8534, 0.3235, 0.3103 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 79.8534, 0.3235, 0.3103 by changing the saturation by 10% instead.



 79.8534, 0.3235,  
0.3103

 79.8534, 0.3235,  
0.3103


494.4386, 0.3187,  
0.3187

 59.5977, 0.3246,  
0.3084

133.1596, 0.3218,  
0.3132

 43.0945, 0.3259,  
0.3062


166.9789, 0.3212,  
0.3143

 29.9592, 0.3275,  
0.3034


206.0882, 0.3206,  
0.3153

 19.8077, 0.3296,  
0.2997

250.8719, 0.3201,  
0.3161

 12.2553, 0.3324,  
0.2949

301.7144, 0.3197,  
0.3169

 6.9178, 0.3363,  
0.2883

359.0001, 0.3193,

 3.4107, 0.3422,

0.3175

0.2783

423.1134, 0.3190,  
0.3181

■ 1.3497, 0.3518,  
0.2621

■ 0.1792, 0.4191,  
0.1431

■ 79.8534, 0.3235,  
0.3103

■ 79.8534, 0.3235,  
0.3103

■ 66.6843, 0.3337,  
0.2951

■ 95.0981, 0.3149,  
0.3249

■ 55.5153, 0.3457,  
0.2797

100.0000, 0.3127,  
0.3290

■ 46.2414, 0.3599,  
0.2646

■ 38.7547, 0.3760,  
0.2508

■ 32.9363, 0.3941,  
0.2393

■ 28.6527, 0.4136,  
0.2314

■ 25.7496, 0.4338,  
0.2283

■ 24.0400, 0.4539,  
0.2305

■ 23.3605, 0.4676,  
0.2349

# Harmonies

## Analogous

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



79.8534, 0.3053, 0.3012



79.8534, 0.3235, 0.3103



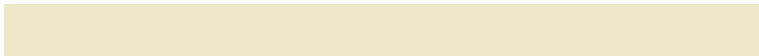
79.8534, 0.3392, 0.3241

# Triad

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



79.8534, 0.3235, 0.3103



79.8534, 0.3359, 0.3601



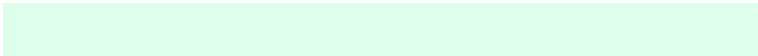
79.8534, 0.2790, 0.3168

# Complementary

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



79.8534, 0.3235, 0.3103



93.1039, 0.3032, 0.3485

# 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.



79.8534, 0.2868, 0.3332



79.8534, 0.3235, 0.3103



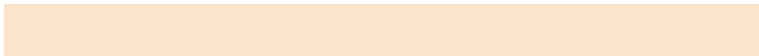
79.8534, 0.3194, 0.3589

# Square

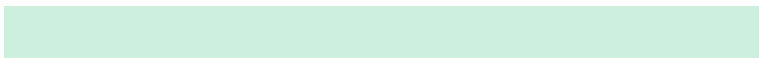
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



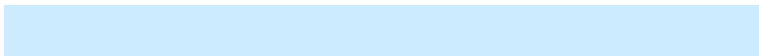
79.8534, 0.3235, 0.3103



79.8534, 0.3464, 0.3528



79.8534, 0.3014, 0.3489



79.8534, 0.2800, 0.3044

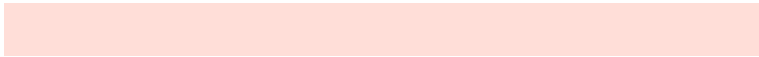


# Rectangle

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



79.8534, 0.3235, 0.3103



79.8534, 0.3458, 0.3345



79.8534, 0.3014, 0.3489



79.8534, 0.2807, 0.3221

# Sweetspot

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



79.8478, 0.3235, 0.3103



93.3882, 0.3158, 0.3234



77.2464, 0.3011, 0.2956



19.7311, 0.3164, 0.3223



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.



79.8478, 0.3235, 0.3103



75.6092, 0.3264, 0.3057



78.9194, 0.3346, 0.3263



18.1624, 0.3204, 0.3154



12.2369, 0.4645, 0.2332



1.2133, 0.4435, 0.2217



# Inverse Universe

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



79.8478, 0.3235, 0.3103



75.6092, 0.3264, 0.3057



94.0921, 0.2943, 0.3317



18.1624, 0.3204, 0.3154



12.2369, 0.4645, 0.2332

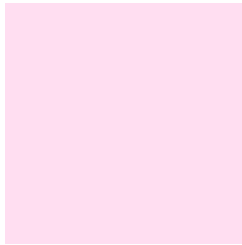


1.2133, 0.4435, 0.2217



# Previews

## White Background



This preview shows how the Yxy color 79.8534, 0.3235, 0.3103 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

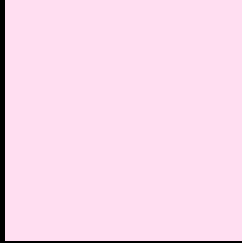
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.8534, 0.3235, 0.3103 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

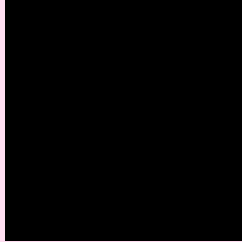
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.8534, 0.3235, 0.3103**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.8534, 0.3235, 0.3103.



This preview shows how white text looks on a background with the Yxy color 79.8534, 0.3235, 0.3103.

# 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

79.8534, 0.3235, 0.3103

### Protanopia

80.2364, 0.3034, 0.3126

### Deuteranopia

79.8019, 0.3191, 0.3121



## Tritanopia

79.7938, 0.3241, 0.3113

# Trichromacy



## Original Color

79.8534, 0.3235, 0.3103

## Protanomaly

79.9951, 0.3108, 0.3118

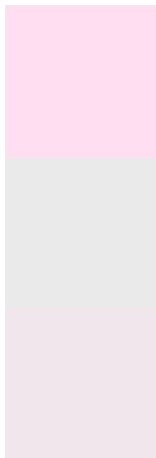
## Deuteranomaly

79.6355, 0.3206, 0.3111

## Tritanomaly

79.7938, 0.3241, 0.3113

# Monochromacy



## Original Color

79.8534, 0.3235, 0.3103

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

81.5853, 0.3165, 0.3219

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.8534, 0.3235, 0.3103 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, 222, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 241)  
}
```

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, 222, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 79.8534, 0.3235, 0.3103 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, 222, 241) }
```

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

```
.border{ border-color:rgb(255, 222, 241) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 222, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.8534, 0.3235, 0.3103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 241) }
```

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

```
.background{ background-color: rgb(255,  
222, 241) }
```

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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