

# Converting Colors

$Y_{xy}(79.7707, 0.3246, 0.3119)$

Have a look what the booklet for  
Yxy(79.7707, 0.3246, 0.3119)  
contains.

<b>Yxy(79.7345, 0.3248, 0.3122)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(79.7345, 0.3248, 0.3122)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDEEF
RGB	255, 222, 239
RGB Percent	100%, 87%, 94%
CMY	0.0000, 0.1294, 0.0626
CMYK	0.00, 0.13, 0.06, 0.00
HSL	329°, 100%, 94%
HSV	329°, 13%, 100%
XYZ	82.9525, 79.7345, 92.7086
YIQ	233.8050, 14.2110, 12.2830

# Conversions

## Conversions Part 2

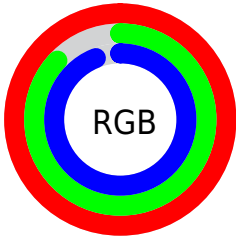
Format	Color
R <sub>YB</sub>	255, 222, 239
Decimal	16768751
CIE Lab	91.57, 14.18, -4.10
CIE LCh	92, 14.760, 343.858
Yxy	79.7345, 0.3248, 0.3122
Android (android.graphics.Color)	4294958831 (0xFFFFDEEF)
YUV	233.8050, 2.5611, 18.5880
Hunter-Lab	89.2942, 9.5581, 0.9488

# Details

The Yxy color  $79.7345, 0.3248, 0.3122$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $93.2188, 0.3022, 0.3464$ , and the grayscale version is  $82.0956, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $43.0621, 0.3275, 0.3089$  is the 20% darker color. If you saturate the color by 10%, you get  $66.4925, 0.3363, 0.2985$ , and if you desaturate by 10%, it is  $95.0717, 0.3152, 0.3253$ .

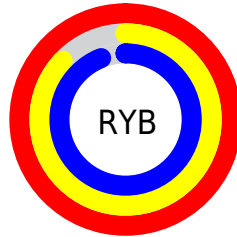
# Distribution



Red (100%)

Green (87%)

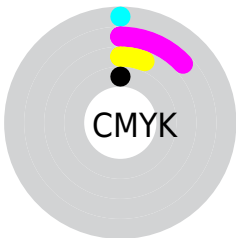
Blue (94%)



Red (100%)

Yellow (87%)

Blue (94%)

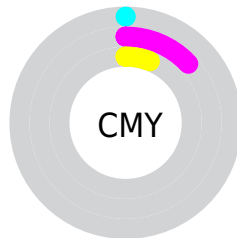


Cyan (0%)

Magenta (13%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.7345, 0.3248, 0.3122 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 79.7345, 0.3248, 0.3122 by changing the saturation by 10% instead.




 79.7345, 0.3248,  
0.3122

 79.7345, 0.3248,  
0.3122


494.0376, 0.3194,  
0.3198

 59.4999, 0.3260,  
0.3105


132.9924, 0.3229,  
0.3148

 43.0157, 0.3275,  
0.3085


166.7845, 0.3222,  
0.3158

 29.8974, 0.3294,  
0.3059


205.8645, 0.3216,  
0.3167

 19.7607, 0.3318,  
0.3026

250.6169, 0.3210,  
0.3174

 12.2212, 0.3349,  
0.2983

301.4260, 0.3205,  
0.3181

 6.8945, 0.3394,  
0.2922

358.6762, 0.3201,

 3.3962, 0.3462,

0.3187

0.2831

422.7520, 0.3197,  
0.3193

1.3419, 0.3575,  
0.2682

0.1733, 0.4405,  
0.1494

79.7345, 0.3248,  
0.3122

79.7345, 0.3248,  
0.3122

66.4925, 0.3363,  
0.2985

95.0717, 0.3152,  
0.3253

55.2574, 0.3501,  
0.2845

100.0000, 0.3127,  
0.3290

45.9282, 0.3663,  
0.2709

38.3965, 0.3851,  
0.2585

■ 32.5430, 0.4063,  
0.2483

■ 28.2339, 0.4294,  
0.2417

■ 25.3146, 0.4534,  
0.2398

■ 23.5974, 0.4770,  
0.2435

■ 22.9175, 0.4930,  
0.2490

# Harmonies

## Analogous

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



79.7345, 0.3073, 0.3028



79.7345, 0.3248, 0.3122



79.7345, 0.3393, 0.3258

# Triad

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



79.7345, 0.3248, 0.3122



79.7345, 0.3336, 0.3592



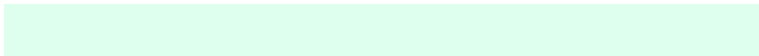
79.7345, 0.2800, 0.3159

# Complementary

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



79.7345, 0.3248, 0.3122



93.2188, 0.3022, 0.3464

# 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.



79.7345, 0.2867, 0.3314



79.7345, 0.3248, 0.3122



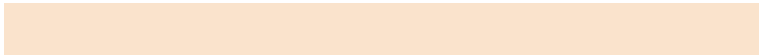
79.7345, 0.3174, 0.3570

# Square

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



79.7345, 0.3248, 0.3122



79.7345, 0.3444, 0.3529



79.7345, 0.3002, 0.3467



79.7345, 0.2818, 0.3045

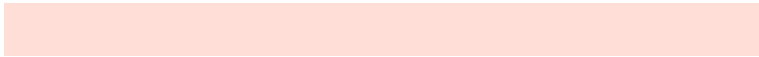


# Rectangle

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



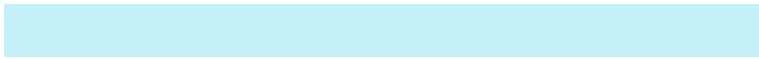
79.7345, 0.3248, 0.3122



79.7345, 0.3451, 0.3358



79.7345, 0.3002, 0.3467



79.7345, 0.2814, 0.3208

# Sweetspot

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



79.7330, 0.3248, 0.3122



93.3502, 0.3161, 0.3239



77.6266, 0.3026, 0.2958



19.7215, 0.3168, 0.3230



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

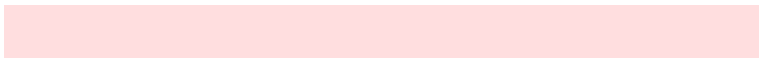
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.7330, 0.3248, 0.3122



75.4682, 0.3281, 0.3081



78.8018, 0.3361, 0.3285



18.1437, 0.3213, 0.3168



12.0052, 0.4895, 0.2470



1.1910, 0.4650, 0.2335



# Inverse Universe

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



79.7330, 0.3248, 0.3122



75.4682, 0.3281, 0.3081



94.2331, 0.2932, 0.3295



18.1437, 0.3213, 0.3168



12.0052, 0.4895, 0.2470

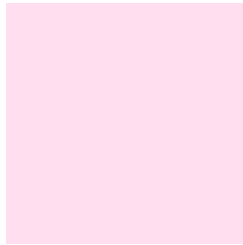


1.1910, 0.4650, 0.2335



# Previews

## White Background



This preview shows how the Yxy color 79.7345, 0.3248, 0.3122 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

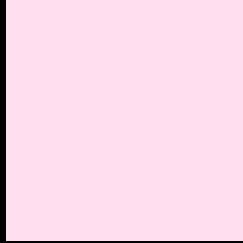
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.7345, 0.3248, 0.3122 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

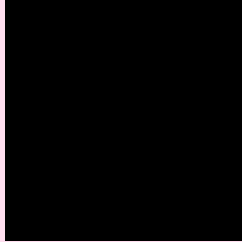
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.7345, 0.3248, 0.3122**

## Background



This preview shows how black text looks on a background with the Yxy color 79.7345, 0.3248, 0.3122.



This preview shows how white text looks on a background with the Yxy color 79.7345, 0.3248, 0.3122.

# 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

79.7345, 0.3248, 0.3122

### Protanopia

80.1142, 0.3046, 0.3146

### Deuteranopia

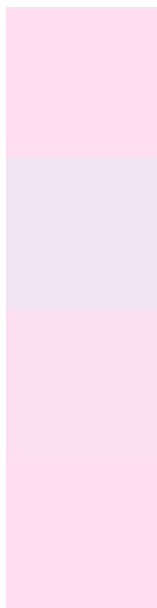
79.8673, 0.3211, 0.3141



## Tritanopia

79.7345, 0.3248, 0.3122

# Trichromacy



## Original Color

79.7345, 0.3248, 0.3122

## Protanomaly

79.8742, 0.3121, 0.3138

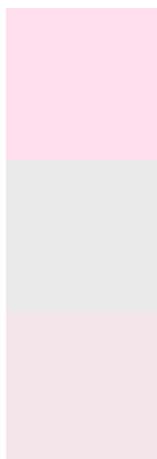
## Deuteranomaly

79.7028, 0.3226, 0.3131

## Tritanomaly

79.7345, 0.3248, 0.3122

# Monochromacy



## Original Color

79.7345, 0.3248, 0.3122

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

81.5270, 0.3171, 0.3229

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.7345, 0.3248, 0.3122 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, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 239)  
}
```

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, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 79.7345, 0.3248, 0.3122 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, 239) }
```

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

```
.border{ border-color:rgb(255, 222, 239) }
```

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, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
239) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 79.7345, 0.3248, 0.3122$  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, 239) }
```

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

```
.background{ background-color: rgb(255,  
222, 239) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor