

# Converting Colors

$Y_{xy}(79.3927, 0.3322, 0.3221)$

Have a look what the booklet for  
Yxy(79.3927, 0.3322, 0.3221)  
contains.

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# Color

**Yxy(79.1597, 0.3316, 0.3221)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDEE5
RGB	255, 222, 229
RGB Percent	100%, 87%, 90%
CMY	0.0001, 0.1293, 0.1020
CMYK	0.00, 0.13, 0.10, 0.00
HSL	347°, 100%, 94%
HSV	347°, 13%, 100%
XYZ	81.4944, 79.1597, 85.1071
YIQ	232.6650, 17.4210, 9.1730

# Conversions

## Conversions Part 2

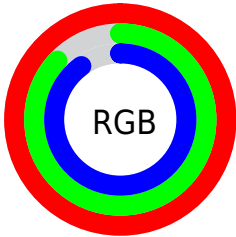
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 222, 229
Decimal	16768741
CIE Lab	91.31, 12.48, 0.78
CIE LCh	91, 12.503, 3.573
Yxy	79.1597, 0.3316, 0.3221
Android (android.graphics.Color)	4294958821 (0xFFFFDDEE5)
YUV	232.6650, -1.8068, 19.5878
Hunter-Lab	88.9717, 7.7981, 5.5656

# Details

The Yxy color **79.1597, 0.3316, 0.3221** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **93.8095, 0.2967, 0.3360**, and the grayscale version is **81.2243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.6992, 0.3355, 0.3201** is the 20% darker color. If you saturate the color by 10%, you get **65.5678, 0.3502, 0.3164**, and if you desaturate by 10%, it is **94.9366, 0.3165, 0.3275**.

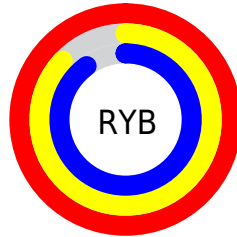
# Distribution



Red (100%)

Green (87%)

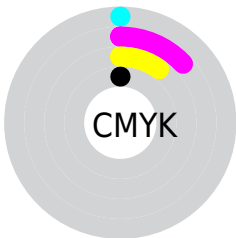
Blue (90%)



Red (100%)

Yellow (87%)

Blue (90%)

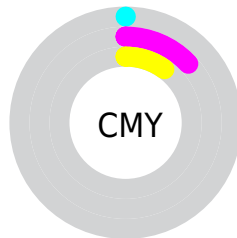


Cyan (0%)

Magenta (13%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.1597, 0.3316, 0.3221 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 79.1597, 0.3316, 0.3221 by changing the saturation by 10% instead.




 79.1597, 0.3316,  
0.3221

 79.1597, 0.3316,  
0.3221

492.0964, 0.3230,  
0.3253

 59.0271, 0.3335,  
0.3214

132.1837, 0.3286,  
0.3232

 42.6350, 0.3359,  
0.3205

165.8438, 0.3275,  
0.3236

 29.5988, 0.3389,  
0.3194


204.7820, 0.3265,  
0.3240

 19.5343, 0.3429,  
0.3179

249.3825, 0.3256,  
0.3243

 12.0570, 0.3481,  
0.3159

300.0299, 0.3248,  
0.3246

 6.7825, 0.3556,  
0.3131

357.1084, 0.3241,

 3.3264, 0.3672,

0.3249

0.3087

421.0024, 0.3235,  
0.3251

■ 1.3044, 0.3871,  
0.3011

■ 0.1446, 0.6410,  
0.2097

■ 79.1597, 0.3316,  
0.3221

■ 79.1597, 0.3316,  
0.3221

■ 65.5678, 0.3502,  
0.3164

■ 94.9366, 0.3165,  
0.3275

■ 54.0544, 0.3732,  
0.3106

99.9941, 0.3127,  
0.3290

■ 44.5197, 0.4012,  
0.3050

■ 36.8515, 0.4345,  
0.3002

■ 30.9264, 0.4727,  
0.2971

■ 26.6061, 0.5138,  
0.2966

■ 23.7309, 0.5542,  
0.2997

■ 22.1079, 0.5891,  
0.3065

■ 21.5202, 0.6085,  
0.3126

# Harmonies

## Analogous

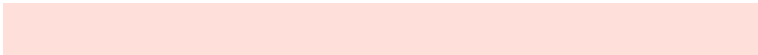
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.1597, 0.3180, 0.3114



79.1597, 0.3316, 0.3221



79.1597, 0.3401, 0.3347

# Triad

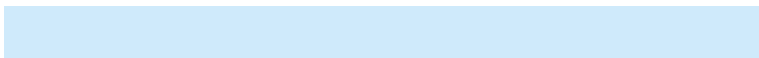
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.1597, 0.3316, 0.3221



79.1597, 0.3218, 0.3542



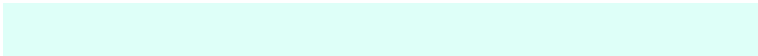
79.1597, 0.2851, 0.3110

# Complementary

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



79.1597, 0.3316, 0.3221



93.8095, 0.2967, 0.3360

# 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.



79.1597, 0.2861, 0.3222



79.1597, 0.3316, 0.3221



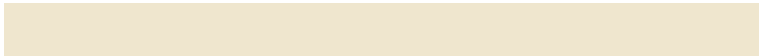
79.1597, 0.3070, 0.3476

# Square

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



79.1597, 0.3316, 0.3221



79.1597, 0.3343, 0.3535



79.1597, 0.2940, 0.3358



79.1597, 0.2913, 0.3049

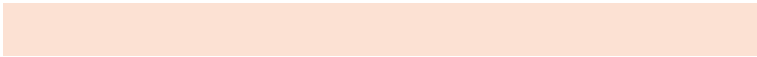


# Rectangle

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



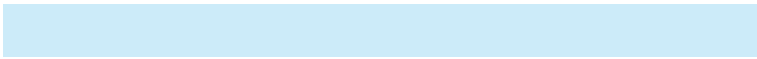
79.1597, 0.3316, 0.3221



79.1597, 0.3417, 0.3427



79.1597, 0.2940, 0.3358



79.1597, 0.2846, 0.3143

# Sweetspot

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



79.1632, 0.3316, 0.3221



93.1567, 0.3180, 0.3269



79.3956, 0.3093, 0.2965



19.6726, 0.3191, 0.3265



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

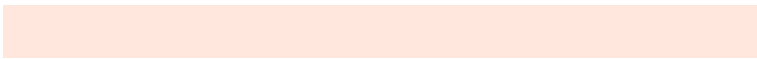
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.1632, 0.3316, 0.3221



74.7734, 0.3369, 0.3204



83.8794, 0.3352, 0.3384



18.0500, 0.3261, 0.3240



11.2653, 0.6048, 0.3106



1.1120, 0.5746, 0.2939



# Inverse Universe

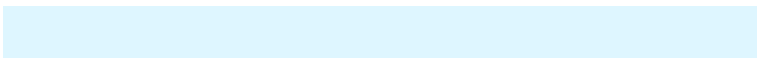
The Inverse Universe completely reimagines the original color for something new.



79.1632, 0.3316, 0.3221



74.7734, 0.3369, 0.3204



88.4389, 0.2927, 0.3195



18.0500, 0.3261, 0.3240



11.2653, 0.6048, 0.3106

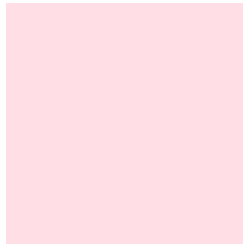


1.1120, 0.5746, 0.2939



# Previews

## White Background



This preview shows how the Yxy color 79.1597, 0.3316, 0.3221 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

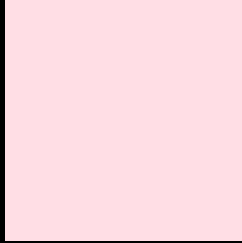
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.1597, 0.3316, 0.3221 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

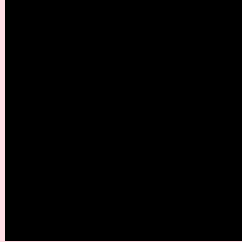
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.1597, 0.3316, 0.3221**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.1597, 0.3316, 0.3221.

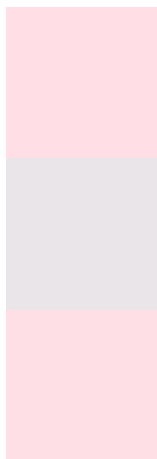


This preview shows how white text looks on a background with the Yxy color 79.1597, 0.3316, 0.3221.

# 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

79.1597, 0.3316, 0.3221

### Protanopia

79.2455, 0.3129, 0.3249

### Deuteranopia

79.3151, 0.3301, 0.3230



## Tritanopia

79.1459, 0.3256, 0.3122

# Trichromacy



## Original Color

79.1597, 0.3316, 0.3221

## Protanomaly

78.9197, 0.3193, 0.3229

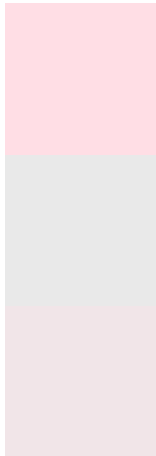
## Deuteranomaly

79.5033, 0.3308, 0.3231

## Tritanomaly

78.9711, 0.3276, 0.3152

# Monochromacy



## Original Color

79.1597, 0.3316, 0.3221

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

80.5656, 0.3191, 0.3260

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.1597, 0.3316, 0.3221 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 79.1597, 0.3316, 0.3221 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, 229) }
```

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

```
.border{ border-color:rgb(255, 222, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.1597, 0.3316, 0.3221 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, 229) }
```

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

```
.background{ background-color: rgb(255,  
222, 229) }
```

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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