

# Converting Colors

$Y_{xy}(79.6074, 0.3254, 0.3129)$

Have a look what the booklet for  
Yxy(79.6074, 0.3254, 0.3129)  
contains.

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# Color

**Yxy(79.6756, 0.3255, 0.3132)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDEEE
RGB	255, 222, 238
RGB Percent	100%, 87%, 93%
CMY	0.0000, 0.1294, 0.0666
CMYK	0.00, 0.13, 0.07, 0.00
HSL	331°, 100%, 94%
HSV	331°, 13%, 100%
XYZ	82.8046, 79.6756, 91.9119
YIQ	233.6910, 14.5320, 11.9720

# Conversions

## Conversions Part 2

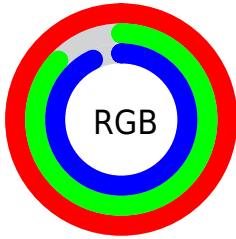
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 222, 238
Decimal	16768750
CIE <sub>Lab</sub>	91.54, 14.01, -3.60
CIE <sub>LCh</sub>	92, 14.465, 345.570
Yxy	79.6756, 0.3255, 0.3132
Android (android.graphics.Color)	4294958830 (0xFFFFDEEE)
YUV	233.6910, 2.1243, 18.6880
Hunter-Lab	89.2612, 9.3814, 1.4322

# Details

The Yxy color **79.6756, 0.3255, 0.3132** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **93.2792, 0.3016, 0.3454**, and the grayscale version is **82.0056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.0206, 0.3283, 0.3101** is the 20% darker color. If you saturate the color by 10%, you get **66.3925, 0.3377, 0.3003**, and if you desaturate by 10%, it is **95.0567, 0.3153, 0.3255**.

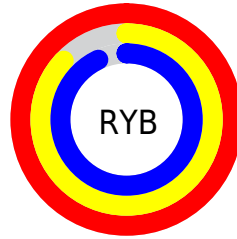
# Distribution



Red (100%)

Green (87%)

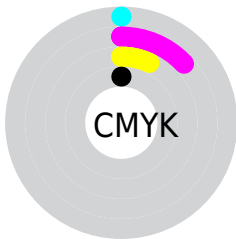
Blue (93%)



Red (100%)

Yellow (87%)

Blue (93%)

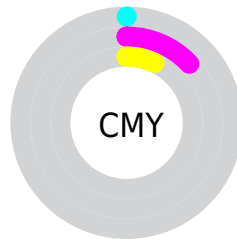


Cyan (0%)

Magenta (13%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.6756, 0.3255, 0.3132 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 79.6756, 0.3255, 0.3132 by changing the saturation by 10% instead.



 79.6756, 0.3255,  
0.3132

 79.6756, 0.3255,  
0.3132

493.8389, 0.3197,  
0.3203

 59.4514, 0.3268,  
0.3116


132.9095, 0.3235,  
0.3156

 42.9766, 0.3284,  
0.3097


166.6881, 0.3227,  
0.3166

 29.8668, 0.3303,  
0.3073


205.7536, 0.3221,  
0.3174

 19.7375, 0.3329,  
0.3042

250.4905, 0.3215,  
0.3181

 12.2044, 0.3363,  
0.3001

301.2830, 0.3210,  
0.3188

 6.8830, 0.3411,  
0.2943

358.5157, 0.3205,

 3.3890, 0.3483,

0.3193

0.2857

422.5728, 0.3201,  
0.3199

1.3381, 0.3605,  
0.2714

0.1704, 0.4532,  
0.1533

79.6756, 0.3255,  
0.3132

79.6756, 0.3255,  
0.3132

66.3925, 0.3377,  
0.3003

95.0567, 0.3153,  
0.3255

55.1245, 0.3524,  
0.2871

100.0000, 0.3127,  
0.3290

45.7685, 0.3698,  
0.2743

38.2158, 0.3900,  
0.2626

■ 32.3469, 0.4129,  
0.2531

■ 28.0279, 0.4378,  
0.2472

■ 25.1036, 0.4638,  
0.2460

■ 23.3864, 0.4893,  
0.2504

■ 22.7092, 0.5065,  
0.2564

# Harmonies

## Analogous

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



79.6756, 0.3084, 0.3037



79.6756, 0.3255, 0.3132



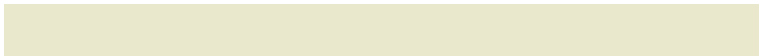
79.6756, 0.3394, 0.3267

# Triad

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



79.6756, 0.3255, 0.3132



79.6756, 0.3324, 0.3587



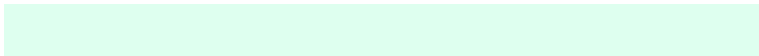
79.6756, 0.2806, 0.3154

# Complementary

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



79.6756, 0.3255, 0.3132



93.2792, 0.3016, 0.3454

# 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.



79.6756, 0.2866, 0.3305



79.6756, 0.3255, 0.3132



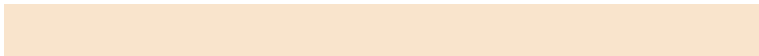
79.6756, 0.3163, 0.3561

# Square

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



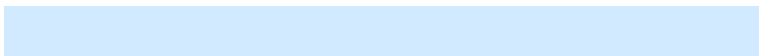
79.6756, 0.3255, 0.3132



79.6756, 0.3434, 0.3530



79.6756, 0.2996, 0.3456



79.6756, 0.2828, 0.3046

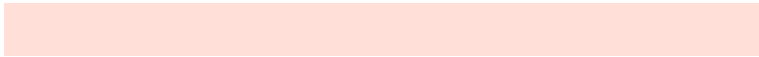


# Rectangle

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



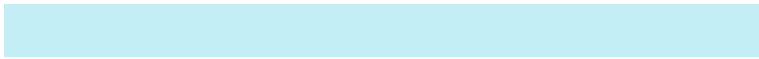
79.6756, 0.3255, 0.3132



79.6756, 0.3448, 0.3365



79.6756, 0.2996, 0.3456



79.6756, 0.2817, 0.3201

# Sweetspot

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



79.6723, 0.3255, 0.3132



93.3303, 0.3163, 0.3243



77.7217, 0.3030, 0.2958



19.7164, 0.3170, 0.3233



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

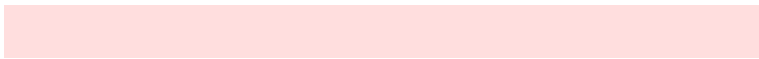
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.6723, 0.3255, 0.3132



75.3951, 0.3290, 0.3093



78.7720, 0.3365, 0.3291



18.1340, 0.3218, 0.3175



11.8960, 0.5027, 0.2543



1.1802, 0.4764, 0.2398



# Inverse Universe

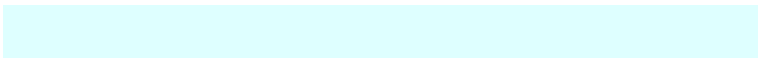
The Inverse Universe completely reimagines the original color for something new.



79.6723, 0.3255, 0.3132



75.3951, 0.3290, 0.3093



94.2684, 0.2929, 0.3289



18.1340, 0.3218, 0.3175



11.8960, 0.5027, 0.2543

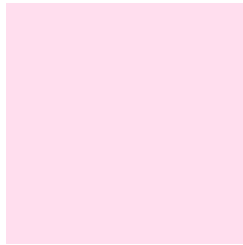


1.1802, 0.4764, 0.2398



# Previews

## White Background



This preview shows how the Yxy color 79.6756, 0.3255, 0.3132 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

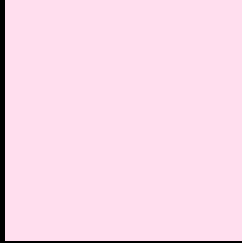
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.6756, 0.3255, 0.3132 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

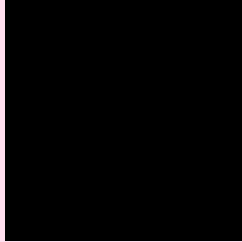
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.6756, 0.3255, 0.3132**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.6756, 0.3255, 0.3132.



This preview shows how white text looks on a background with the Yxy color 79.6756, 0.3255, 0.3132.

# 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

79.6756, 0.3255, 0.3132

### Protanopia

80.2205, 0.3059, 0.3156

### Deuteranopia

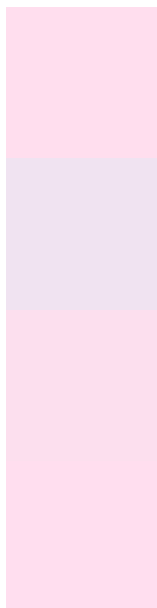
79.8083, 0.3218, 0.3151



## Tritanopia

79.7345, 0.3248, 0.3122

# Trichromacy



## Original Color

79.6756, 0.3255, 0.3132

## Protanomaly

79.8143, 0.3127, 0.3148

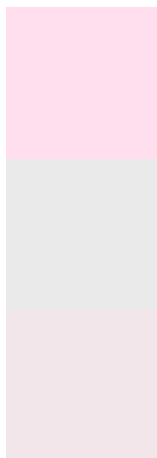
## Deuteranomaly

79.6438, 0.3233, 0.3141

## Tritanomaly

79.7345, 0.3248, 0.3122

# Monochromacy



## Original Color

79.6756, 0.3255, 0.3132

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

81.4690, 0.3177, 0.3239

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.6756, 0.3255, 0.3132 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 79.6756, 0.3255, 0.3132 is called "border". The border property can be set on classes, ids or directly on the HTML element.

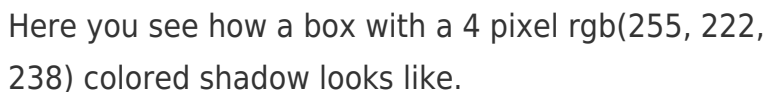
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 222, 238) }
```

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

```
.border{ border-color:rgb(255, 222, 238) }
```

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, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 222, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 222, 238); box-shadow:4px 4px 4px 4px rgb(255, 222, 238) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.6756, 0.3255, 0.3132 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, 238) }
```

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

```
.background{ background-color: rgb(255,  
222, 238) }
```

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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