

# Converting Colors

$Y_{xy}(100.0000, 0.3781, 0.3222)$

Have a look what the booklet for  
Yxy(100.0000, 0.3781, 0.3222)  
contains.

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# Color

**Yxy(82.8612, 0.3256, 0.3202)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFE4ED
RGB	255, 228, 237
RGB Percent	100%, 89%, 93%
CMY	0.0001, 0.1058, 0.0707
CMYK	0.00, 0.11, 0.07, 0.00
HSL	340°, 100%, 95%
HSV	340°, 11%, 100%
XYZ	84.2586, 82.8612, 91.6597
YIQ	237.0990, 13.2030, 8.5230

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	255, 228, 237
Decimal	16770285
CIE Lab	92.95, 10.69, -0.99
CIE LCh	93, 10.736, 354.694
Yxy	82.8612, 0.3256, 0.3202
Android (android.graphics.Color)	4294960365 (0xFFFFE4ED)
YUV	237.0990, -0.0488, 15.6992
Hunter-Lab	91.0281, 5.9262, 4.0183

# Details

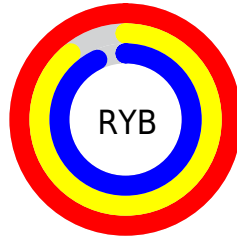
The Yxy color **82.8612, 0.3256, 0.3202** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **94.6517, 0.3013, 0.3380**, and the grayscale version is **84.7603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.2291, 0.3285, 0.3190** is the 20% darker color. If you saturate the color by 10%, you get **68.9062, 0.3406, 0.3114**, and if you desaturate by 10%, it is **98.9866, 0.3133, 0.3285**.

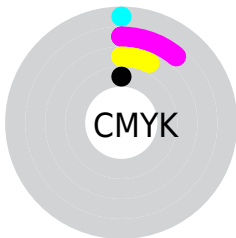
# Distribution



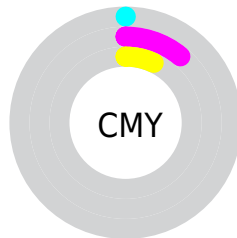
- Red (100%)
- Green (89%)
- Blue (93%)



- Red (100%)
- Yellow (89%)
- Blue (93%)



- Cyan (0%)
- Magenta (11%)
- Yellow (7%)
- Black (0%)




- Cyan (0%)
- Magenta (11%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8612, 0.3256, 0.3202 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 82.8612, 0.3256, 0.3202 by changing the saturation by 10% instead.




 82.8612, 0.3256,  
0.3202

 82.8612, 0.3256,  
0.3202


504.5238, 0.3198,  
0.3242

 62.0757, 0.3269,  
0.3193

137.3810, 0.3236,  
0.3216

 45.0938, 0.3285,  
0.3182

171.8841, 0.3228,  
0.3221

 31.5313, 0.3305,  
0.3169


211.7285, 0.3221,  
0.3226

 21.0038, 0.3330,  
0.3151

257.2986, 0.3216,  
0.3230

 13.1268, 0.3365,  
0.3128

308.9788, 0.3210,  
0.3233

 7.5159, 0.3413,  
0.3096

367.1535, 0.3206,

 3.7868, 0.3485,

0.3236

0.3047

432.2070, 0.3202,  
0.3239

■ 1.5550, 0.3608,  
0.2966

■ 0.3270, 0.4318,  
0.2469

■ 82.8612, 0.3256,  
0.3202

■ 82.8612, 0.3256,  
0.3202

■ 68.9062, 0.3406,  
0.3114

98.9866, 0.3133,  
0.3285

■ 57.0178, 0.3590,  
0.3022

99.9942, 0.3127,  
0.3290

■ 47.1002, 0.3813,  
0.2932

■ 39.0454, 0.4077,  
0.2850

■ 32.7352, 0.4383,  
0.2786

■ 28.0375, 0.4721,  
0.2751

■ 24.8012, 0.5074,  
0.2759

■ 22.8460, 0.5412,  
0.2816

■ 21.9070, 0.5693,  
0.2910

# Harmonies

## Analogous

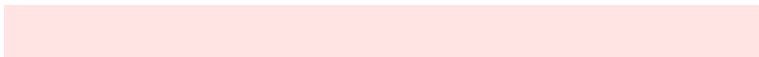
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8612, 0.3135, 0.3120



82.8612, 0.3256, 0.3202



82.8612, 0.3343, 0.3307

# Triad

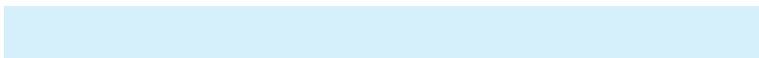
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.8612, 0.3256, 0.3202



82.8612, 0.3239, 0.3507



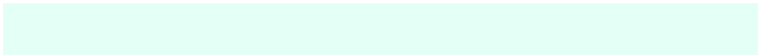
82.8612, 0.2889, 0.3163

# Complementary

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



82.8612, 0.3256, 0.3202



94.6517, 0.3013, 0.3380

# 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.



82.8612, 0.2915, 0.3267



82.8612, 0.3256, 0.3202



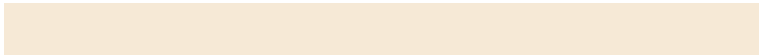
82.8612, 0.3116, 0.3469

# Square

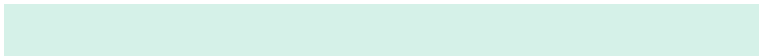
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



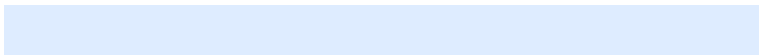
82.8612, 0.3256, 0.3202



82.8612, 0.3333, 0.3485



82.8612, 0.2998, 0.3380



82.8612, 0.2924, 0.3096

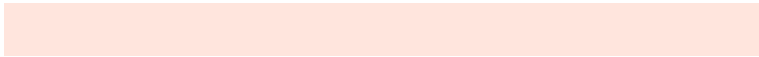


# Rectangle

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



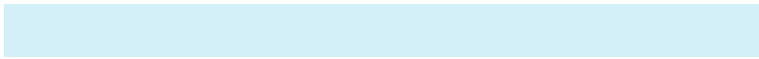
82.8612, 0.3256, 0.3202



82.8612, 0.3370, 0.3378



82.8612, 0.2998, 0.3380



82.8612, 0.2891, 0.3195

# Sweetspot

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



82.8648, 0.3256, 0.3202



94.8913, 0.3161, 0.3266



82.3055, 0.3079, 0.3024



20.0257, 0.3170, 0.3259



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

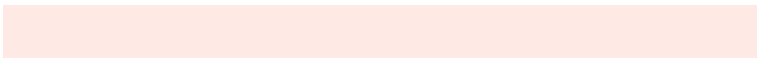
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8648, 0.3256, 0.3202



79.2990, 0.3290, 0.3181



84.8578, 0.3311, 0.3335



18.0867, 0.3242, 0.3211



11.4746, 0.5649, 0.2886



1.1365, 0.5331, 0.2711



# Inverse Universe

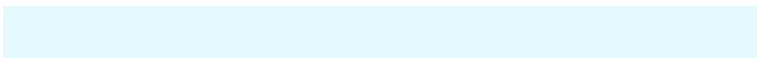
The Inverse Universe completely reimagines the original color for something new.



82.8648, 0.3256, 0.3202



79.2990, 0.3290, 0.3181



92.3835, 0.2964, 0.3245



18.0867, 0.3242, 0.3211



11.4746, 0.5649, 0.2886

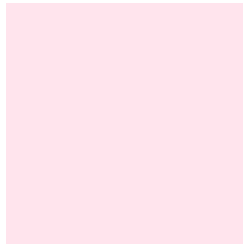


1.1365, 0.5331, 0.2711



# Previews

## White Background



This preview shows how the Yxy color 82.8612, 0.3256, 0.3202 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

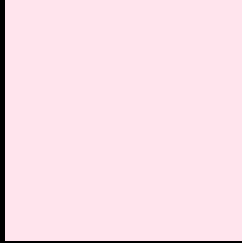
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.8612, 0.3256, 0.3202 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

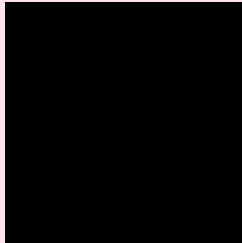
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.8612, 0.3256, 0.3202**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.8612, 0.3256, 0.3202.

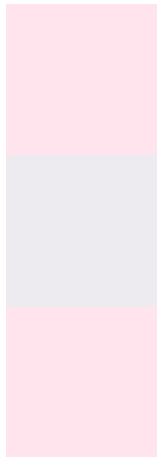


This preview shows how white text looks on a background with the Yxy color 82.8612, 0.3256, 0.3202.

# 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

82.8612, 0.3256, 0.3202

### Protanopia

83.1414, 0.3110, 0.3229

### Deuteranopia

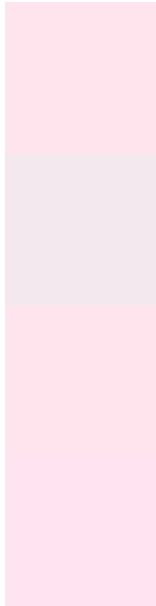
82.8612, 0.3256, 0.3202



## Tritanopia

82.7298, 0.3211, 0.3124

# Trichromacy



## Original Color

82.8612, 0.3256, 0.3202

## Protanomaly

83.1783, 0.3164, 0.3220

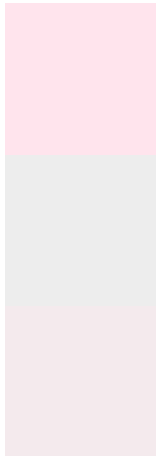
## Deuteranomaly

82.8612, 0.3256, 0.3202

## Tritanomaly

82.5490, 0.3231, 0.3153

# Monochromacy



## Original Color

82.8612, 0.3256, 0.3202

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

84.1932, 0.3176, 0.3260

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.8612, 0.3256, 0.3202 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, 228, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 237)  
}
```

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, 228, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 82.8612, 0.3256, 0.3202 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, 228, 237) }
```

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

```
.border{ border-color:rgb(255, 228, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 228, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.8612, 0.3256, 0.3202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 237) }
```

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

```
.background{ background-color: rgb(255,  
228, 237) }
```

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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