

# Converting Colors

$Yxy(82.7114, 0.3163, 0.3103)$

Have a look what the booklet for  
Yxy(82.7114, 0.3163, 0.3103)  
contains.

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# Color

**Yxy(82.7114, 0.3163, 0.3103)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FBE4F7
RGB	251, 228, 247
RGB Percent	98%, 89%, 97%
CMY	0.0158, 0.1058, 0.0313
CMYK	0.00, 0.09, 0.02, 0.02
HSL	310°, 74%, 94%
HSV	310°, 9%, 98%
XYZ	84.3107, 82.7114, 99.5309
YIQ	237.0430, 7.6090, 10.7850

# Conversions

## Conversions Part 2

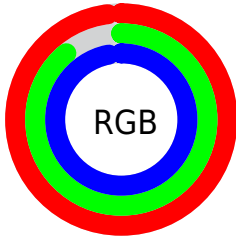
Format	Color
R <sub>Y</sub> B	251, 228, 247
Decimal	16508151
CIE Lab	92.89, 11.07, -6.36
CIE LCh	93, 12.771, 330.111
Yxy	82.7114, 0.3163, 0.3103
Android (android.graphics.Color)	4294698231 (0xFFFBE4F7)
YUV	237.0430, 4.9088, 12.2403
Hunter-Lab	90.9458, 6.3221, -1.2248

# Details

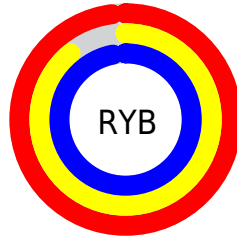
The Yxy color **82.7114, 0.3163, 0.3103** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **91.2996, 0.3093, 0.3484**, and the grayscale version is **84.6810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.1181, 0.3164, 0.3064** is the 20% darker color. If you saturate the color by 10%, you get **69.6290, 0.3208, 0.2892**, and if you desaturate by 10%, it is **97.8115, 0.3124, 0.3307**.

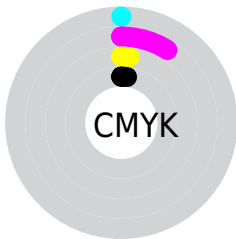
# Distribution



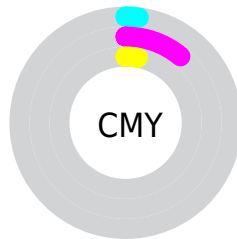
- Red (98%)
- Green (89%)
- Blue (97%)



- Red (98%)
- Yellow (89%)
- Blue (97%)



- Cyan (0%)
- Magenta (9%)
- Yellow (2%)
- Black (2%)




- Cyan (2%)
- Magenta (11%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.7114, 0.3163, 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 82.7114, 0.3163, 0.3103 by changing the saturation by 10% instead.



 82.7114, 0.3163,  
0.3103

 82.7114, 0.3163,  
0.3103

504.0242, 0.3147,  
0.3186

 61.9521, 0.3166,  
0.3085


137.1712, 0.3158,  
0.3131

 44.9940, 0.3170,  
0.3062


171.6404, 0.3156,  
0.3143

 31.4527, 0.3175,  
0.3035


211.4485, 0.3154,  
0.3152

 20.9438, 0.3182,  
0.2999

256.9797, 0.3152,  
0.3161

 13.0829, 0.3190,  
0.2952

308.6185, 0.3151,  
0.3168

 7.4857, 0.3201,  
0.2888

366.7492, 0.3150,

 3.7677, 0.3216,

0.3175

0.2793

431.7563, 0.3148,  
0.3181

■ 1.5445, 0.3239,  
0.2639

■ 0.3197, 0.3404,  
0.1895

■ 82.7114, 0.3163,  
0.3103

■ 82.7114, 0.3163,  
0.3103

■ 69.6290, 0.3208,  
0.2892

■ 97.8115, 0.3124,  
0.3307

■ 58.4677, 0.3259,  
0.2678

■ 99.2447, 0.3102,  
0.3290

■ 49.1387, 0.3315,  
0.2469

■ 41.5422, 0.3377,  
0.2274

■ 35.5688, 0.3443,  
0.2103

■ 31.0967, 0.3511,  
0.1966

■ 27.9868, 0.3578,  
0.1871

■ 26.0740, 0.3643,  
0.1823

■ 25.1099, 0.3705,  
0.1817

# Harmonies

## Analogous

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



82.7114, 0.3016, 0.3046



82.7114, 0.3163, 0.3103



82.7114, 0.3303, 0.3207

# Triad

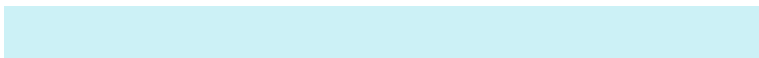
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.7114, 0.3163, 0.3103



82.7114, 0.3356, 0.3531



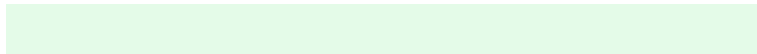
82.7114, 0.2865, 0.3237

# Complementary

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



82.7114, 0.3163, 0.3103



91.2996, 0.3093, 0.3484

# 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.



82.7114, 0.2952, 0.3374



82.7114, 0.3163, 0.3103



82.7114, 0.3235, 0.3546

# Square

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



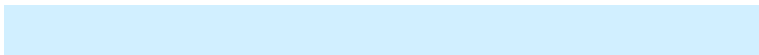
82.7114, 0.3163, 0.3103



82.7114, 0.3416, 0.3452



82.7114, 0.3087, 0.3488



82.7114, 0.2846, 0.3120



# Rectangle

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



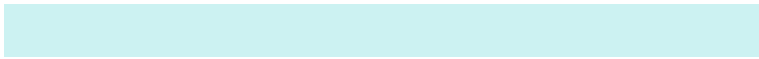
82.7114, 0.3163, 0.3103



82.7114, 0.3373, 0.3290



82.7114, 0.3087, 0.3488



82.7114, 0.2887, 0.3282

# Sweetspot

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



82.7150, 0.3163, 0.3103



95.1312, 0.3138, 0.3230



79.5862, 0.3010, 0.3056



20.0905, 0.3141, 0.3213



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

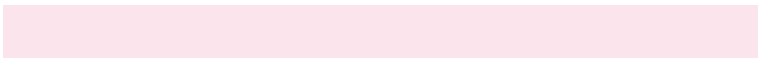
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7150, 0.3163, 0.3103



83.0834, 0.3171, 0.3064



82.0352, 0.3237, 0.3214



17.4702, 0.3164, 0.3096



13.1871, 0.3700, 0.1812



1.2344, 0.3631, 0.1774

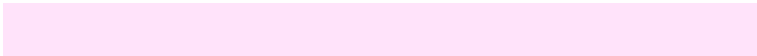


# Inverse Universe

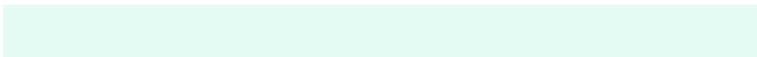
The Inverse Universe completely reimagines the original color for something new.



82.7150, 0.3163, 0.3103



83.0834, 0.3171, 0.3064



91.9656, 0.3029, 0.3367



17.4702, 0.3164, 0.3096



13.1871, 0.3700, 0.1812

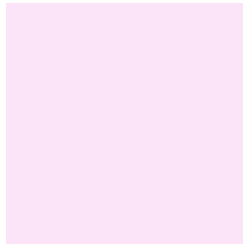


1.2344, 0.3631, 0.1774



# Previews

## White Background



This preview shows how the Yxy color 82.7114, 0.3163, 0.3103 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

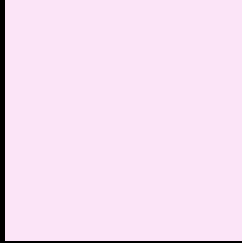
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.7114, 0.3163, 0.3103 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

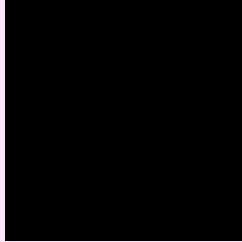
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

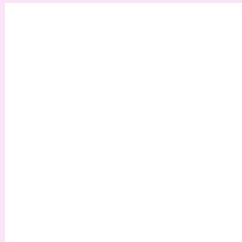
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.7114, 0.3163, 0.3103**

## Background



This preview shows how black text looks on a background with the Yxy color 82.7114, 0.3163, 0.3103.



This preview shows how white text looks on a background with the Yxy color 82.7114, 0.3163, 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

82.7114, 0.3163, 0.3103

### Protanopia

82.6724, 0.3029, 0.3118

### Deuteranopia

82.8977, 0.3170, 0.3104



## Tritanopia

82.6499, 0.3170, 0.3113

# Trichromacy



## Original Color

82.7114, 0.3163, 0.3103

## Protanomaly

82.5166, 0.3075, 0.3109

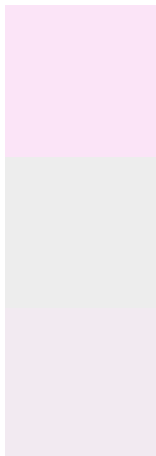
## Deuteranomaly

82.8977, 0.3170, 0.3104

## Tritanomaly

82.6499, 0.3170, 0.3113

# Monochromacy



## Original Color

82.7114, 0.3163, 0.3103

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

84.0738, 0.3137, 0.3220

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.7114, 0.3163, 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(251, 228, 247)` looks like.

```
.text, #text, p{  
    color:rgb(251, 228, 247)  
}
```

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(251, 228, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 228, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 82.7114, 0.3163, 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(251, 228, 247) }
```

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

```
.border{ border-color:rgb(251, 228, 247) }
```

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

Here you see how a box with a 4 pixel rgb(251, 228, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 228, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 228, 247);  
box-shadow:4px 4px 4px 4px rgb(251, 228,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.7114, 0.3163, 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(251, 228, 247) }
```

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

```
.background{ background-color: rgb(251,  
228, 247) }
```

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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