

# Converting Colors

$Y_{xy}(82.9264, 0.3169, 0.3057)$

Have a look what the booklet for  
Yxy(82.9264, 0.3169, 0.3057)  
contains.

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# Color

**Yxy(83.1632, 0.3165, 0.3057)**

# Conversions

Conversions Part 1	
Format	Color
Hex	FFE3FB
RGB	255, 227, 251
RGB Percent	100%, 89%, 98%
CMY	0.0003, 0.1097, 0.0157
CMYK	0.00, 0.11, 0.02, 0.00
HSL	308°, 99%, 95%
HSV	308°, 11%, 100%
XYZ	86.1013, 83.1632, 102.7774
YIQ	238.1080, 8.9840, 13.4000

# Conversions

## Conversions Part 2

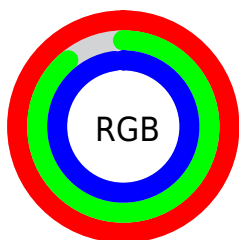
Format	Color
<a href="#">RYB</a>	<a href="#">255, 227, 251</a>
Decimal	<a href="#">16770043</a>
CIELab	<a href="#">93.09, 13.60, -8.11</a>
CIELCh	<a href="#">93, 15.832, 329.183</a>
Yxy	<a href="#">83.1632, 0.3165, 0.3057</a>
Android (android.graphics.Color)	<a href="#">4294960123</a> (0xFFFFE3FB)
YUV	<a href="#">238.1080, 6.3558, 14.8143</a>
Hunter-Lab	<a href="#">91.1939, 8.9426, -2.9854</a>

# Details

The Yxy color 83.1632, 0.3165, 0.3057 is a light color, and the websafe version is hex FFCCCC. A complement of this color would be 93.5780, 0.3091, 0.3535, and the grayscale version is 85.5294, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 45.4059, 0.3175, 0.3018 is the 20% darker color. If you saturate the color by 10%, you get 70.0118, 0.3205, 0.2837, and if you desaturate by 10%, it is 98.3908, 0.3130, 0.3270.

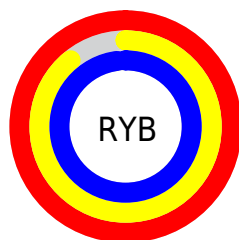
# Distribution



Red (100%)

Green (89%)

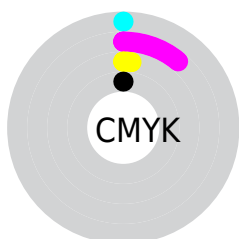
Blue (98%)



Red (100%)

Yellow (89%)

Blue (98%)

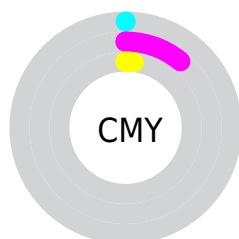


Cyan (0%)

Magenta (11%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1632, 0.3165, 0.3057 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 83.1632, 0.3165, 0.3057 by changing the saturation by 10% instead.




 83.1632, 0.3165,  
0.3057

 83.1632, 0.3165,  
0.3057


505.5303, 0.3149,  
0.3160

 62.3248, 0.3168,  
0.3034

137.8040, 0.3160,  
0.3092

 45.2952, 0.3172,  
0.3007


172.3752, 0.3157,  
0.3106

 31.6900, 0.3177,  
0.2973


212.2928, 0.3156,  
0.3118

 21.1248, 0.3184,  
0.2930

257.9411, 0.3154,  
0.3128

 13.2153, 0.3191,  
0.2873

309.7047, 0.3152,  
0.3138

 7.5770, 0.3202,  
0.2794


367.9678, 0.3151,


 3.8255, 0.3216,


0.3146


0.2680


433.1148, 0.3150,  
0.3154

 1.5764, 0.3235,  
0.2499


 0.3416, 0.3389,  
0.1763

 83.1632, 0.3165,  
0.3057


 83.1632, 0.3165,  
0.3057


 70.0118, 0.3205,  
0.2837


98.3908, 0.3130,  
0.3270


 58.8354, 0.3249,  
0.2617


99.9865, 0.3127,  
0.3290


 49.5404, 0.3298,  
0.2404


 42.0216, 0.3350,  
0.2207

 36.1632, 0.3405,  
0.2037

 31.8358, 0.3460,  
0.1903

 28.8910, 0.3514,  
0.1813

 27.1505, 0.3565,  
0.1768

 26.3611, 0.3609,  
0.1762

# Harmonies

## Analogous

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



83.1632, 0.2984, 0.2990



83.1632, 0.3165, 0.3057



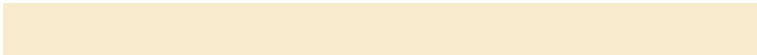
83.1632, 0.3340, 0.3182

# Triad

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



83.1632, 0.3165, 0.3057



83.1632, 0.3414, 0.3587



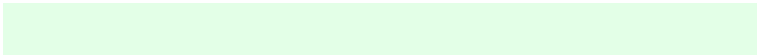
83.1632, 0.2806, 0.3228

# Complementary

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



83.1632, 0.3165, 0.3057



93.5780, 0.3091, 0.3535

# 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.



83.1632, 0.2915, 0.3398



83.1632, 0.3165, 0.3057



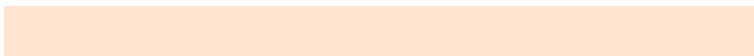
83.1632, 0.3265, 0.3610

# Square

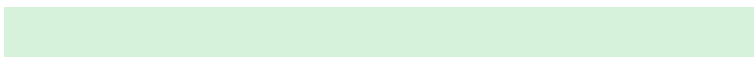
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.1632, 0.3165, 0.3057



83.1632, 0.3486, 0.3484



83.1632, 0.3082, 0.3541



83.1632, 0.2780, 0.3082

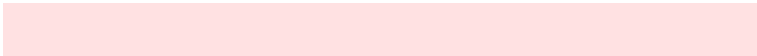


# Rectangle

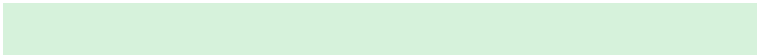
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.1632, 0.3165, 0.3057



83.1632, 0.3429, 0.3284



83.1632, 0.3082, 0.3541



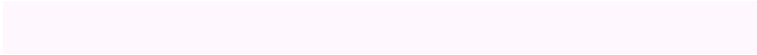
83.1632, 0.2834, 0.3285

# Sweetspot

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



83.1668, 0.3165, 0.3057



95.1466, 0.3137, 0.3227



79.1184, 0.2978, 0.3006



20.0946, 0.3140, 0.3210



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.



83.1668, 0.3165, 0.3057



80.3456, 0.3173, 0.3012



82.3316, 0.3255, 0.3190



18.2537, 0.3160, 0.3088



13.7999, 0.3602, 0.1758



1.3552, 0.3550, 0.1729



# Inverse Universe

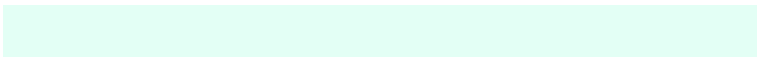
The Inverse Universe completely reimagines the original color for something new.



83.1668, 0.3165, 0.3057



80.3456, 0.3173, 0.3012



94.3848, 0.3015, 0.3393



18.2537, 0.3160, 0.3088



13.7999, 0.3602, 0.1758



1.3552, 0.3550, 0.1729



# Previews

## White Background



This preview shows how the Yxy color 83.1632, 0.3165, 0.3057 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

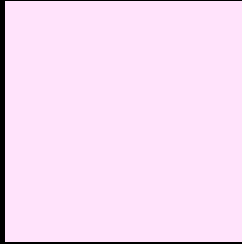
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.1632, 0.3165, 0.3057 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

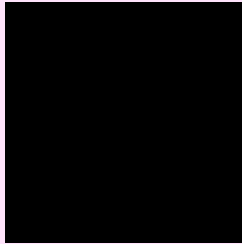
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.1632, 0.3165, 0.3057**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.1632, 0.3165, 0.3057.

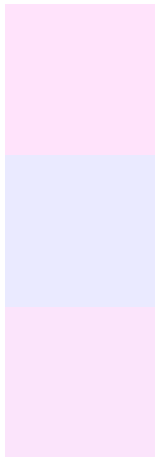


This preview shows how white text looks on a background with the Yxy color 83.1632, 0.3165, 0.3057.

# 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

83.1632, 0.3165, 0.3057

### Protanopia

83.5581, 0.2999, 0.3079

### Deuteranopia

82.9611, 0.3138, 0.3065



## Tritanopia

83.2115, 0.3190, 0.3114

# Trichromacy

	<b>Original Color</b> 83.1632, 0.3165, 0.3057
	<b>Protanomaly</b> 83.1848, 0.3058, 0.3062
	<b>Deuteranomaly</b> 83.1473, 0.3145, 0.3065
	<b>Tritanomaly</b> 83.3349, 0.3177, 0.3095

# Monochromacy

	<b>Original Color</b> 83.1632, 0.3165, 0.3057
	<b>Achromatopsia</b> 85.4993, 0.3127, 0.3290
	<b>Achromatomaly</b> 84.5498, 0.3138, 0.3200

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.1632, 0.3165, 0.3057 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, 227, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 251)  
}
```

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, 227, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 83.1632, 0.3165, 0.3057 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, 227, 251) }
```

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

```
.border{ border-color:rgb(255, 227, 251) }
```

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

Here you see how a box with a 4 pixel rgb(255, 227, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.1632, 0.3165, 0.3057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 251) }
```

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

```
.background{ background-color: rgb(255,  
227, 251) }
```

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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