

# Converting Colors

$Y_{xy}(89.0227, 0.3116, 0.3199)$

Have a look what the booklet for  
Yxy(89.0227, 0.3116, 0.3199)  
contains.

<b>Yxy(88.9339, 0.3118, 0.3202)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(88.9339, 0.3118, 0.3202)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7F0F9
RGB	247, 240, 249
RGB Percent	97%, 94%, 98%
CMY	0.0316, 0.0587, 0.0236
CMYK	0.01, 0.04, 0.00, 0.02
HSL	286°, 43%, 96%
HSV	286°, 4%, 98%
XYZ	86.6008, 88.9339, 102.2101
YIQ	243.1190, 1.2830, 4.2830

# Conversions

## Conversions Part 2

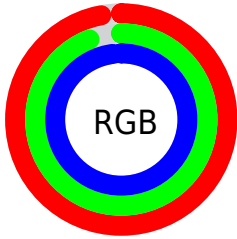
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 240, 249
Decimal	16249081
CIE Lab	95.55, 3.90, -3.50
CIE LCh	96, 5.235, 318.107
Yxy	88.9339, 0.3118, 0.3202
Android (android.graphics.Color)	4294439161 (0xFF7F0F9)
YUV	243.1190, 2.8993, 3.4036
Hunter-Lab	94.3048, -1.1153, 1.7532

# Details

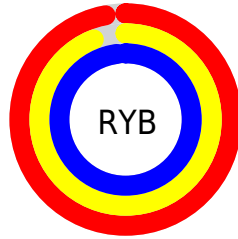
The Yxy color **88.9339, 0.3118, 0.3202** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **92.9222, 0.3136, 0.3379**, and the grayscale version is **89.6999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.2076, 0.3116, 0.3177** is the 20% darker color. If you saturate the color by 10%, you get **74.2558, 0.3089, 0.2948**, and if you desaturate by 10%, it is **99.1671, 0.3147, 0.3348**.

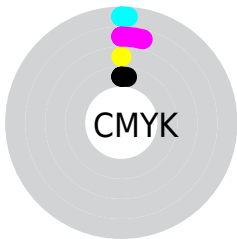
# Distribution



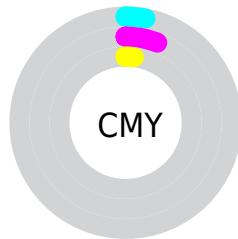
- Red (97%)
- Green (94%)
- Blue (98%)



- Red (97%)
- Yellow (94%)
- Blue (98%)



- Cyan (1%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)




- Cyan (3%)
- Magenta (6%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.9339, 0.3118, 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 88.9339, 0.3118, 0.3202 by changing the saturation by 10% instead.




 88.9339, 0.3118,  
0.3202

 88.9339, 0.3118,  
0.3202


524.5567, 0.3122,  
0.3241

 67.0968, 0.3117,  
0.3193


145.8566, 0.3119,  
0.3215

 49.1633, 0.3116,  
0.3183


181.7110, 0.3120,  
0.3221

 34.7490, 0.3114,  
0.3170

223.0067, 0.3121,  
0.3225

 23.4696, 0.3112,  
0.3154

270.1279, 0.3121,  
0.3229

 14.9406, 0.3110,  
0.3132

323.4591, 0.3121,  
0.3233

 8.7777, 0.3106,  
0.3102

383.3847, 0.3122,

 4.5965, 0.3101,

0.3236

450.2891, 0.3122,  
0.3239

0.3058

2.0125, 0.3091,  
0.2988

0.6147, 0.3077,  
0.2784

88.9339, 0.3118,  
0.3202

88.9339, 0.3118,  
0.3202

74.2558, 0.3089,  
0.2948

99.1671, 0.3147,  
0.3348

61.5348, 0.3053,  
0.2683

99.6186, 0.3162,  
0.3347

50.6876, 0.3012,  
0.2414

41.6202, 0.2964,  
0.2150

■ 34.2307, 0.2910,  
0.1901

■ 28.4066, 0.2852,  
0.1679

■ 24.0213, 0.2791,  
0.1494

■ 20.9284, 0.2729,  
0.1354

■ 18.9495, 0.2668,  
0.1262

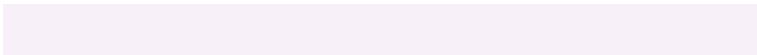
# Harmonies

## Analogous

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



88.9339, 0.3062, 0.3189



88.9339, 0.3118, 0.3202



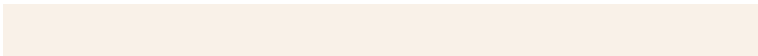
88.9339, 0.3177, 0.3238

# Triad

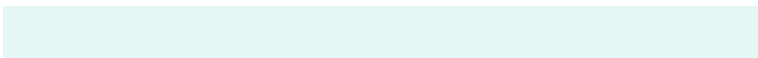
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.9339, 0.3118, 0.3202



88.9339, 0.3232, 0.3377



88.9339, 0.3033, 0.3292

# Complementary

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



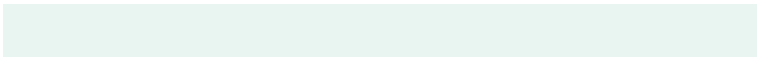
88.9339, 0.3118, 0.3202



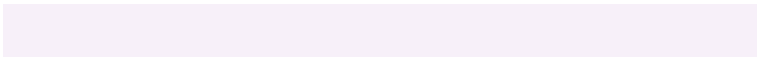
92.9222, 0.3136, 0.3379

# 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.



88.9339, 0.3077, 0.3343



88.9339, 0.3118, 0.3202



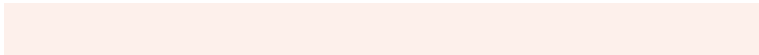
88.9339, 0.3192, 0.3393

# Square

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



88.9339, 0.3118, 0.3202



88.9339, 0.3243, 0.3339



88.9339, 0.3136, 0.3381



88.9339, 0.3013, 0.3240

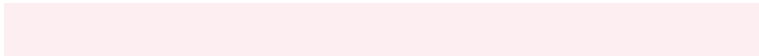


# Rectangle

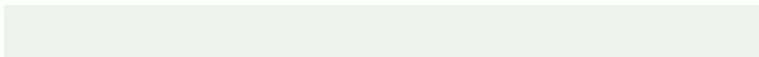
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



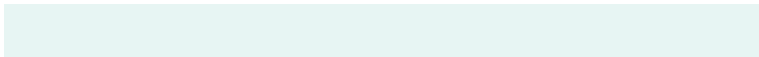
88.9339, 0.3118, 0.3202



88.9339, 0.3210, 0.3270



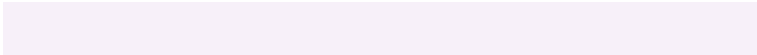
88.9339, 0.3136, 0.3381



88.9339, 0.3045, 0.3310

# Sweetspot

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



88.9377, 0.3118, 0.3202



98.2741, 0.3125, 0.3266



88.9406, 0.3073, 0.3222



21.0529, 0.3125, 0.3267



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.



88.9377, 0.3118, 0.3202



93.2271, 0.3117, 0.3192



89.1615, 0.3146, 0.3226



18.8526, 0.3115, 0.3174



9.7572, 0.2639, 0.1228

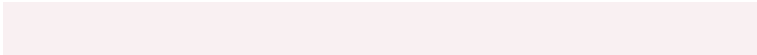


0.9505, 0.2710, 0.1267



# Inverse Universe

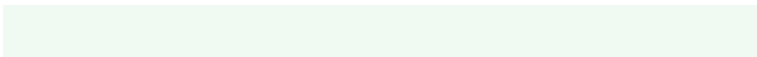
The Inverse Universe completely reimagines the original color for something new.



88.8855, 0.3174, 0.3270



93.1665, 0.3179, 0.3268



92.7069, 0.3109, 0.3355



18.8382, 0.3189, 0.3264



10.9539, 0.6002, 0.3080

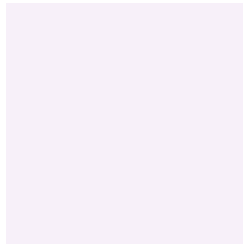


1.0299, 0.5677, 0.2901



# Previews

## White Background



This preview shows how the Yxy color 88.9339, 0.3118, 0.3202 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

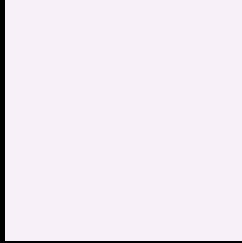
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.9339, 0.3118, 0.3202 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

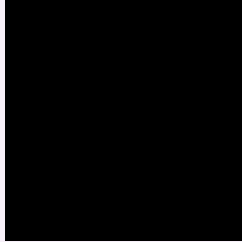
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

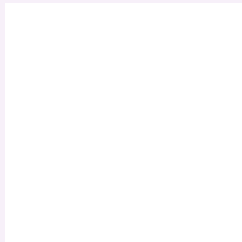
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.9339, 0.3118, 0.3202**

## Background



This preview shows how black text looks on a background with the Yxy color 88.9339, 0.3118, 0.3202.

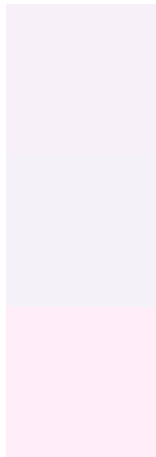


This preview shows how white text looks on a background with the Yxy color 88.9339, 0.3118, 0.3202.

# 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

88.9339, 0.3118, 0.3202

### Protanopia

88.9832, 0.3098, 0.3211

### Deuteranopia

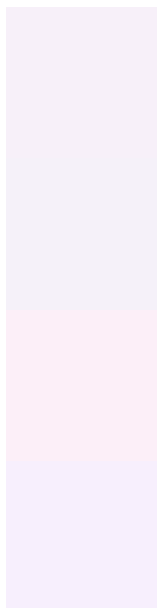
89.1245, 0.3184, 0.3203



## Tritanopia

88.7272, 0.3082, 0.3134

# Trichromacy



## Original Color

88.9339, 0.3118, 0.3202

## Protanomaly

89.1626, 0.3105, 0.3211

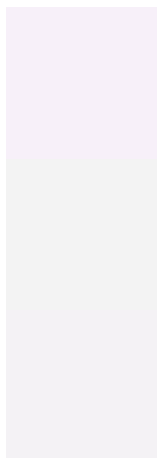
## Deuteranomaly

89.2058, 0.3158, 0.3203

## Tritanomaly

88.5990, 0.3094, 0.3153

# Monochromacy



## Original Color

88.9339, 0.3118, 0.3202

## Achromatopsia

89.6269, 0.3127, 0.3290

## Achromatomaly

89.3299, 0.3122, 0.3260

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.9339, 0.3118, 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(247, 240, 249)` looks like.

```
.text, #text, p{  
    color:rgb(247, 240, 249)  
}
```

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(247, 240, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 240, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 88.9339, 0.3118, 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(247, 240, 249) }
```

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

```
.border{ border-color:rgb(247, 240, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 240, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 240, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 240, 249);  
box-shadow:4px 4px 4px 4px rgb(247, 240,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.9339, 0.3118, 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(247, 240, 249) }
```

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

```
.background{ background-color: rgb(247,  
240, 249) }
```

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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