

Converting Colors

$Y_{xy}(38.4293, 0.3829, 0.2786)$

Have a look what the booklet for
Yxy(38.4293, 0.3829, 0.2786)
contains.

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Color

Yxy(38.3242, 0.3829, 0.2781)

Conversions

Conversions Part 1

Format	Color
Hex	F283B2
RGB	242, 131, 178
RGB Percent	95%, 51%, 70%
CMY	0.0510, 0.4862, 0.3021
CMYK	0.00, 0.46, 0.26, 0.05
HSL	335°, 81%, 73%
HSV	335°, 46%, 95%
XYZ	52.7664, 38.3242, 46.7167
YIQ	169.5470, 51.0690, 38.1490

Conversions

Conversions Part 2

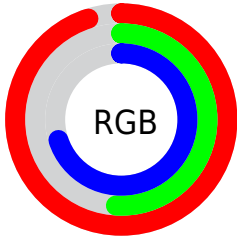
Format	Color
R_{YB}	242, 131, 178
Decimal	15893426
CIE _{Lab}	68.26, 47.75, -5.57
CIE _{LCh}	68, 48.077, 353.345
Yxy	38.3242, 0.3829, 0.2781
Android (android.graphics.Color)	4294083506 (0xFFFF283B2)
YUV	169.5470, 4.1673, 63.5413
Hunter-Lab	61.9065, 43.8091, -1.4076

Details

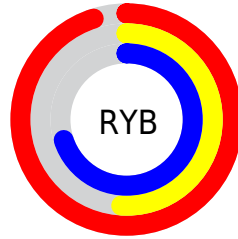
The Yxy color **38.3242, 0.3829, 0.2781** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **72.2712, 0.2738, 0.3882**, and the grayscale version is **39.9224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3183, 0.3318, 0.2808**, and **16.9967, 0.4039, 0.2645** is the 20% darker color. If you saturate the color by 10%, you get **32.0339, 0.4069, 0.2684**, and if you desaturate by 10%, it is **46.1932, 0.3623, 0.2891**.

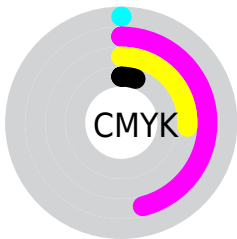
Distribution



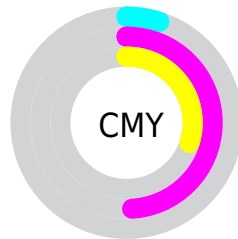
- Red (95%)
- Green (51%)
- Blue (70%)



- Red (95%)
- Yellow (51%)
- Blue (70%)



- Cyan (0%)
- Magenta (46%)
- Yellow (26%)
- Black (5%)





- Cyan (5%)
- Magenta (49%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3242, 0.3829, 0.2781 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 38.3242, 0.3829, 0.2781 by changing the saturation by 10% instead.


 38.3242, 0.3829,
0.2781


 38.3242, 0.3829,
0.2781


339.0087, 0.3471,
0.3036


 26.2344, 0.3920,
0.2718


 72.6048, 0.3698,
0.2874

 16.9991, 0.4038,
0.2636


 95.5644, 0.3649,
0.2908

 10.2338, 0.4196,
0.2529


 122.9160, 0.3608,
0.2938

 5.5543, 0.4420,
0.2379

155.0441, 0.3572,
0.2963

 2.5760, 0.4758,
0.2160

192.3330, 0.3542,
0.2985

 0.9146, 0.5320,
0.1811

235.1671, 0.3515,

 0.0000, 0.8464,

0.3004


0.0000


283.9309, 0.3492,
0.3021

 0.0000, 0.0000,
0.0000


 38.3242, 0.3829,
0.2781

 38.3242, 0.3829,
0.2781


 32.0339, 0.4069,
0.2684

 46.1932, 0.3623,
0.2891


 27.2078, 0.4339,
0.2613


 55.7338, 0.3449,
0.3006


 23.7247, 0.4631,
0.2579

 67.0383, 0.3305,
0.3120

 21.4412, 0.4929,
0.2596

 80.1905, 0.3187,
0.3229

 20.1801, 0.5212,
0.2667

 95.2689, 0.3089,
0.3331

■ 19.8435, 0.5324,
0.2706

■ 97.6167, 0.3047,
0.3290

Harmonies

Analogous

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



38.3242, 0.3095, 0.2406



38.3242, 0.3829, 0.2781



38.3242, 0.4389, 0.3273

Triad

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



38.3242, 0.3829, 0.2781



38.3242, 0.3716, 0.4596



38.3242, 0.1880, 0.2532

Complementary

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



38.3242, 0.3829, 0.2781



72.2712, 0.2738, 0.3882

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.



38.3242, 0.2001, 0.3105



38.3242, 0.3829, 0.2781



38.3242, 0.3028, 0.4462

Square

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



38.3242, 0.3829, 0.2781



38.3242, 0.4280, 0.4302



38.3242, 0.2403, 0.3860



38.3242, 0.2034, 0.2241

Rectangle

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



38.3242, 0.3829, 0.2781



38.3242, 0.4546, 0.3630



38.3242, 0.2403, 0.3860



38.3242, 0.1889, 0.2693

Sweetspot

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



38.3261, 0.3829, 0.2781



78.0434, 0.3282, 0.3140



34.1037, 0.2750, 0.2023



16.0602, 0.3310, 0.3116



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.



38.3261, 0.3829, 0.2781



36.5237, 0.4051, 0.2690



38.8115, 0.4335, 0.3374



15.8698, 0.3227, 0.3190



10.6864, 0.5282, 0.2684



0.9085, 0.4945, 0.2498

Inverse Universe

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



38.3261, 0.3829, 0.2781



36.5237, 0.4051, 0.2690



70.4239, 0.2498, 0.3200



15.8698, 0.3227, 0.3190



10.6864, 0.5282, 0.2684



0.9085, 0.4945, 0.2498

Previews

White Background



This preview shows how the Yxy color 38.3242, 0.3829, 0.2781 looks on a white background.

Color Contrast Check

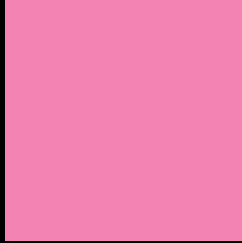
Large Text (above 18pt) WCAG AA × Fail

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 38.3242, 0.3829, 0.2781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

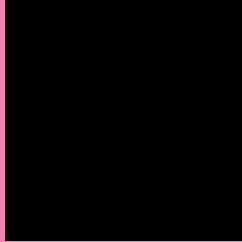
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3242, 0.3829, 0.2781

Background



This preview shows how black text looks on a background with the Yxy color 38.3242, 0.3829, 0.2781.



This preview shows how white text looks on a background with the Yxy color 38.3242, 0.3829, 0.2781.

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

38.3242, 0.3829, 0.2781

Protanopia

38.5540, 0.2801, 0.2814

Deuteranopia

38.5611, 0.3200, 0.3141



Tritanopia

38.3486, 0.4132, 0.3181

Trichromacy



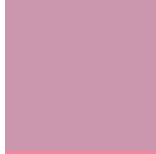
Original Color

38.3242, 0.3829, 0.2781



Protanomaly

37.5354, 0.3132, 0.2789



Deuteranomaly

37.9249, 0.3421, 0.2987



Tritanomaly

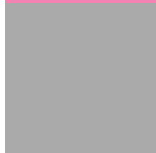
38.3218, 0.4024, 0.3038

Monochromacy



Original Color

38.3242, 0.3829, 0.2781



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.5298, 0.3363, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3242, 0.3829, 0.2781 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(242, 131, 178)` looks like.

```
.text, #text, p{  
    color:rgb(242, 131, 178)  
}
```

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(242, 131, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 131, 178) }
```

Border

The CSS property to change the border of an element to Yxy 38.3242, 0.3829, 0.2781 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(242, 131, 178) }
```

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

```
.border{ border-color:rgb(242, 131, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 131, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 131, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 131, 178);  
box-shadow:4px 4px 4px 4px rgb(242, 131,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3242, 0.3829, 0.2781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 131, 178) }
```

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

```
.background{ background-color: rgb(242,  
131, 178) }
```

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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