

Converting Colors

$Y_{xy}(38.4025, 0.3391, 0.2382)$

Have a look what the booklet for
Yxy(38.4025, 0.3391, 0.2382)
contains.

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Color

Yxy(38.3884, 0.3388, 0.2383)

Conversions

Conversions Part 1

Format	Color
Hex	EC81D6
RGB	236, 129, 214
RGB Percent	93%, 51%, 84%
CMY	0.0745, 0.4941, 0.1609
CMYK	0.00, 0.45, 0.09, 0.07
HSL	312°, 74%, 72%
HSV	312°, 45%, 93%
XYZ	54.5782, 38.3884, 68.1261
YIQ	170.6830, 36.4870, 49.1190

Conversions

Conversions Part 2

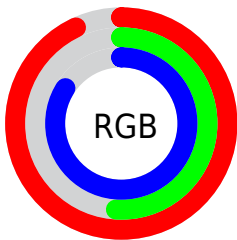
Format	Color
R _Y B	236, 129, 214
Decimal	15499734
CIE Lab	68.31, 52.20, -25.70
CIE LCh	68, 58.187, 333.784
Yxy	38.3884, 0.3388, 0.2383
Android (android.graphics.Color)	4293689814 (0xFFEC81D6)
YUV	170.6830, 21.3553, 57.2830
Hunter-Lab	61.9584, 48.8109, -21.8213

Details

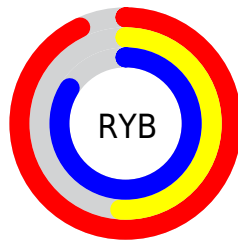
The Yxy color **38.3884, 0.3388, 0.2383** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **66.9004, 0.2949, 0.4419**, and the grayscale version is **40.4358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7610, 0.3160, 0.2595**, and **17.0003, 0.3444, 0.2158** is the 20% darker color. If you saturate the color by 10%, you get **32.6291, 0.3464, 0.2207**, and if you desaturate by 10%, it is **45.5943, 0.3318, 0.2578**.

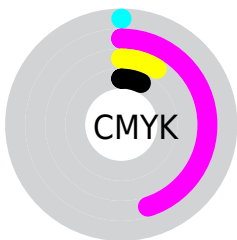
Distribution



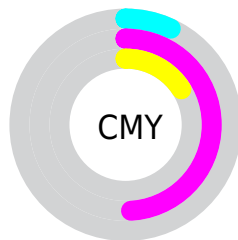
- Red (93%)
- Green (51%)
- Blue (84%)



- Red (93%)
- Yellow (51%)
- Blue (84%)



- Cyan (0%)
- Magenta (45%)
- Yellow (9%)
- Black (7%)




- Cyan (7%)
- Magenta (49%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.3884, 0.3388, 0.2383 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 38.3884, 0.3388, 0.2383 by changing the saturation by 10% instead.


 38.3884, 0.3388,
0.2383


 38.3884, 0.3388,
0.2383


339.2832, 0.3270,
0.2813


 26.2843, 0.3414,
0.2283


 72.7031, 0.3348,
0.2534

 17.0364, 0.3445,
0.2160


 95.6824, 0.3332,
0.2592

 10.2605, 0.3482,
0.2003


 123.0556, 0.3318,
0.2642

 5.5720, 0.3528,
0.1798

155.2070, 0.3306,
0.2685

 2.5866, 0.3584,
0.1522

192.5211, 0.3296,
0.2723

 0.9199, 0.3645,
0.1140

235.3822, 0.3286,

 0.0000, 0.3922,

0.2756

0.0000

284.1748, 0.3278,
0.2786

0.0000, 0.1016,
0.0000

0.0000, 0.0000,
0.0000

38.3884, 0.3388,
0.2383

38.3884, 0.3388,
0.2383

32.6291, 0.3464,
0.2207

45.5943, 0.3318,
0.2578

28.2109, 0.3545,
0.2061


54.3323, 0.3254,
0.2781


25.0223, 0.3627,
0.1953


64.6874, 0.3199,
0.2986

22.9315, 0.3708,
0.1890


76.7369, 0.3150,
0.3187


 21.7763, 0.3786,
0.1875

 90.5530, 0.3109,
0.3378

 21.4388, 0.3821,
0.1879

 95.8341, 0.3078,
0.3408

 96.1320, 0.3050,
0.3359

 96.4378, 0.3023,
0.3311

 96.5746, 0.3011,
0.3290

Harmonies

Analogous

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



38.3884, 0.2555, 0.2081



38.3884, 0.3388, 0.2383



38.3884, 0.4251, 0.2867

Triad

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



38.3884, 0.3388, 0.2383



38.3884, 0.4269, 0.4637



38.3884, 0.1716, 0.2771

Complementary

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



38.3884, 0.3388, 0.2383



66.9004, 0.2949, 0.4419

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.



38.3884, 0.2057, 0.3648



38.3884, 0.3388, 0.2383



38.3884, 0.3519, 0.4897

Square

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



38.3884, 0.3388, 0.2383



38.3884, 0.4756, 0.4076



38.3884, 0.2708, 0.4537



38.3884, 0.1696, 0.2224

Rectangle

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



38.3884, 0.3388, 0.2383



38.3884, 0.4659, 0.3253



38.3884, 0.2708, 0.4537



38.3884, 0.1792, 0.3033

Sweetspot

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



38.3902, 0.3388, 0.2383



78.8350, 0.3192, 0.3012



28.2820, 0.2427, 0.1926



16.2535, 0.3203, 0.2968



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.



38.3902, 0.3388, 0.2383



39.5781, 0.3455, 0.2226



36.1141, 0.3969, 0.2932



15.2575, 0.3169, 0.3105



11.8357, 0.3809, 0.1872



0.9428, 0.3710, 0.1818

Inverse Universe

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



38.3902, 0.3388, 0.2383



39.5781, 0.3455, 0.2226



69.0196, 0.2675, 0.3696



15.2575, 0.3169, 0.3105



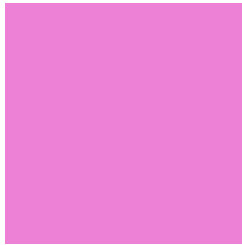
11.8357, 0.3809, 0.1872



0.9428, 0.3710, 0.1818

Previews

White Background



This preview shows how the Yxy color 38.3884, 0.3388, 0.2383 looks on a white background.

Color Contrast Check

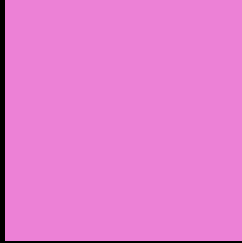
Large Text (above 18pt) WCAG AA × Fail

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 38.3884, 0.3388, 0.2383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

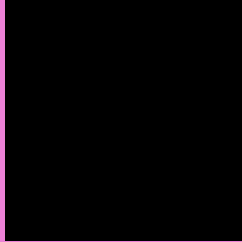
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3884, 0.3388, 0.2383

Background



This preview shows how black text looks on a background with the Yxy color 38.3884, 0.3388, 0.2383.



This preview shows how white text looks on a background with the Yxy color 38.3884, 0.3388, 0.2383.

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

38.3884, 0.3388, 0.2383

Protanopia

38.6526, 0.2406, 0.2307

Deuteranopia

38.7864, 0.2758, 0.2704



Tritanopia

38.3039, 0.3943, 0.3164

Trichromacy



Original Color

38.3884, 0.3388, 0.2383



Protanomaly

37.1328, 0.2695, 0.2306



Deuteranomaly

37.6052, 0.2967, 0.2554



Tritanomaly

38.1423, 0.3746, 0.2859

Monochromacy



Original Color

38.3884, 0.3388, 0.2383



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

38.9669, 0.3222, 0.2895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3884, 0.3388, 0.2383 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(236, 129, 214)` looks like.

```
.text, #text, p{  
    color:rgb(236, 129, 214)  
}
```

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(236, 129, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 129, 214) }
```

Border

The CSS property to change the border of an element to Yxy 38.3884, 0.3388, 0.2383 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(236, 129, 214) }
```

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

```
.border{ border-color:rgb(236, 129, 214) }
```

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

Here you see how a box with a 4 pixel rgb(236, 129, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 129, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 129, 214);  
box-shadow:4px 4px 4px 4px rgb(236, 129,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3884, 0.3388, 0.2383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 129, 214) }
```

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

```
.background{ background-color: rgb(236,  
129, 214) }
```

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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