

Converting Colors

$Y_{xy}(37.9232, 0.3428, 0.2302)$

Have a look what the booklet for
Yxy(37.9232, 0.3428, 0.2302)
contains.

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Color

Yxy(38.0357, 0.3423, 0.2301)

Conversions

Conversions Part 1

Format	Color
Hex	F37ADA
RGB	243, 122, 218
RGB Percent	95%, 48%, 85%
CMY	0.0469, 0.5216, 0.1451
CMYK	0.00, 0.50, 0.10, 0.05
HSL	312°, 83%, 72%
HSV	312°, 50%, 95%
XYZ	56.5824, 38.0357, 70.6826
YIQ	169.1230, 41.3000, 55.5080

Conversions

Conversions Part 2

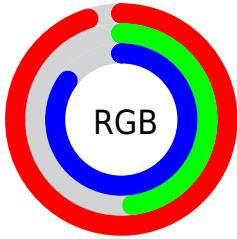
Format	Color
R _Y B	243, 122, 218
Decimal	15956698
CIE Lab	68.05, 58.34, -28.26
CIE LCh	68, 64.829, 334.152
Yxy	38.0357, 0.3423, 0.2301
Android (android.graphics.Color)	4294146778 (0xFFFF37ADA)
YUV	169.1230, 24.0964, 64.7901
Hunter-Lab	61.6731, 55.8383, -24.7802

Details

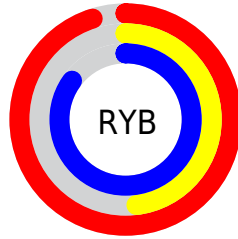
The Yxy color **38.0357, 0.3423, 0.2301** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **70.3620, 0.2935, 0.4554**, and the grayscale version is **39.6032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3208, 0.3163, 0.2536**, and **16.8490, 0.3477, 0.2064** is the 20% darker color. If you saturate the color by 10%, you get **32.5387, 0.3502, 0.2137**, and if you desaturate by 10%, it is **45.0361, 0.3349, 0.2489**.

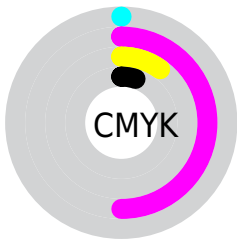
Distribution



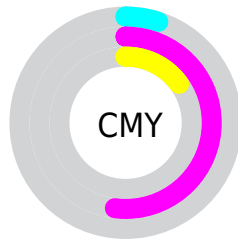
- Red (95%)
- Green (48%)
- Blue (85%)



- Red (95%)
- Yellow (48%)
- Blue (85%)



- Cyan (0%)
- Magenta (50%)
- Yellow (10%)
- Black (5%)




- Cyan (5%)
- Magenta (52%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0357, 0.3423, 0.2301 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 38.0357, 0.3423, 0.2301 by changing the saturation by 10% instead.


 38.0357, 0.3423,
0.2301


 38.0357, 0.3423,
0.2301


337.7731, 0.3290,
0.2765


 26.0104, 0.3452,
0.2195


 72.1629, 0.3378,
0.2463

 16.8314, 0.3486,
0.2063


 95.0335, 0.3360,
0.2525

 10.1144, 0.3527,
0.1898


 122.2880, 0.3345,
0.2579

 5.4749, 0.3577,
0.1684

154.3109, 0.3331,
0.2626

 2.5285, 0.3636,
0.1402

191.4864, 0.3319,
0.2667

 0.8908, 0.3700,
0.1020

234.1990, 0.3309,

 0.0000, 0.3937,

0.2704

0.0000

282.8331, 0.3299,
0.2736

0.0000, 0.2373,
0.0000

0.0000, 0.0000,
0.0000

38.0357, 0.3423,
0.2301

38.0357, 0.3423,
0.2301

32.5387, 0.3502,
0.2137

45.0361, 0.3349,
0.2489

28.4262, 0.3584,
0.2007

53.6364, 0.3283,
0.2689

25.5705, 0.3666,
0.1919

63.9311, 0.3223,
0.2895

23.8173, 0.3747,
0.1879

76.0060, 0.3171,
0.3098

■ 22.9138, 0.3824,
0.1881

■ 89.9409, 0.3126,
0.3294

■ 22.8991, 0.3825,
0.1881

■ 97.3665, 0.3092,
0.3357

■ 97.6830, 0.3064,
0.3308

■ 97.7996, 0.3054,
0.3290

Harmonies

Analogous

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



38.0357, 0.2499, 0.1973



38.0357, 0.3423, 0.2301



38.0357, 0.4392, 0.2823

Triad

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



38.0357, 0.3423, 0.2301



38.0357, 0.4355, 0.4764



38.0357, 0.1580, 0.2688

Complementary

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



38.0357, 0.3423, 0.2301



70.3620, 0.2935, 0.4554

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.



38.0357, 0.1934, 0.3670



38.0357, 0.3423, 0.2301



38.0357, 0.3523, 0.5092

Square

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



38.0357, 0.3423, 0.2301



38.0357, 0.4915, 0.4127



38.0357, 0.2636, 0.4697



38.0357, 0.1568, 0.2105

Rectangle

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



38.0357, 0.3423, 0.2301



38.0357, 0.4842, 0.3236



38.0357, 0.2636, 0.4697



38.0357, 0.1657, 0.2977

Sweetspot

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



38.0375, 0.3423, 0.2301



77.4778, 0.3197, 0.2992



26.5181, 0.2341, 0.1772



15.9861, 0.3209, 0.2949



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.



38.0375, 0.3423, 0.2301



36.1095, 0.3505, 0.2132



35.4550, 0.4100, 0.2900



16.7061, 0.3170, 0.3104



12.5848, 0.3814, 0.1874



1.1205, 0.3723, 0.1825

Inverse Universe

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



38.0375, 0.3423, 0.2301



36.1095, 0.3505, 0.2132



72.7457, 0.2642, 0.3745



16.7061, 0.3170, 0.3104



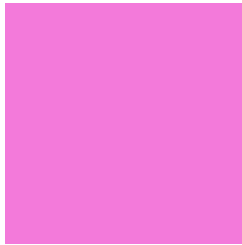
12.5848, 0.3814, 0.1874



1.1205, 0.3723, 0.1825

Previews

White Background



This preview shows how the Yxy color 38.0357, 0.3423, 0.2301 looks on a white background.

Color Contrast Check

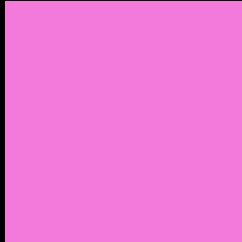
Large Text (above 18pt) WCAG AA × Fail

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 38.0357, 0.3423, 0.2301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

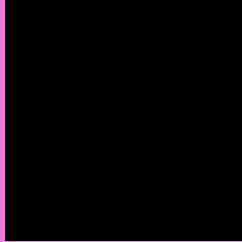
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0357, 0.3423, 0.2301

Background



This preview shows how black text looks on a background with the Yxy color 38.0357, 0.3423, 0.2301.



This preview shows how white text looks on a background with the Yxy color 38.0357, 0.3423, 0.2301.

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

38.0357, 0.3423, 0.2301

Protanopia

38.3308, 0.2321, 0.2196

Deuteranopia

38.2685, 0.2712, 0.2651



Tritanopia

37.9772, 0.4076, 0.3179

Trichromacy



Original Color

38.0357, 0.3423, 0.2301



Protanomaly

36.4668, 0.2636, 0.2200



Deuteranomaly

36.9820, 0.2943, 0.2476



Tritanomaly

37.6968, 0.3842, 0.2837

Monochromacy



Original Color

38.0357, 0.3423, 0.2301



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

37.7801, 0.3236, 0.2845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0357, 0.3423, 0.2301 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(243, 122, 218)` looks like.

```
.text, #text, p{  
    color:rgb(243, 122, 218)  
}
```

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(243, 122, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 122, 218) }
```

Border

The CSS property to change the border of an element to Yxy 38.0357, 0.3423, 0.2301 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(243, 122, 218) }
```

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

```
.border{ border-color:rgb(243, 122, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 122, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 122, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 122, 218);  
box-shadow:4px 4px 4px 4px rgb(243, 122,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0357, 0.3423, 0.2301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 122, 218) }
```

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

```
.background{ background-color: rgb(243,  
122, 218) }
```

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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