

Converting Colors

$Y_{xy}(42.6566, 0.3729, 0.2791)$

Have a look what the booklet for
Yxy(42.6566, 0.3729, 0.2791)
contains.

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Color

Yxy(42.7943, 0.3730, 0.2790)

Conversions

Conversions Part 1

Format	Color
Hex	F78EBD
RGB	247, 142, 189
RGB Percent	97%, 56%, 74%
CMY	0.0314, 0.4431, 0.2589
CMYK	0.00, 0.43, 0.23, 0.03
HSL	333°, 87%, 76%
HSV	333°, 43%, 97%
XYZ	57.2125, 42.7943, 53.3778
YIQ	178.7530, 47.4930, 36.8770

Conversions

Conversions Part 2

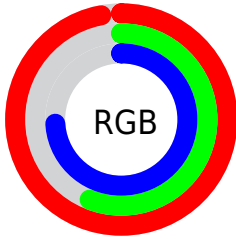
Format	Color
R _Y B	247, 142, 189
Decimal	16223933
CIE Lab	71.42, 45.38, -6.98
CIE LCh	71, 45.915, 351.251
Yxy	42.7943, 0.3730, 0.2790
Android (android.graphics.Color)	4294414013 (0xFFFF78EBD)
YUV	178.7530, 5.0518, 59.8526
Hunter-Lab	65.4174, 41.6315, -2.5860

Details

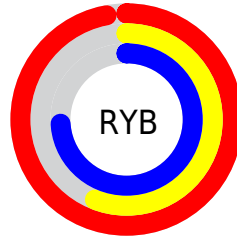
The Yxy color **42.7943, 0.3730, 0.2790** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **76.4406, 0.2773, 0.3864**, and the grayscale version is **44.8961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7851, 0.3226, 0.2814**, and **19.6137, 0.3889, 0.2653** is the 20% darker color. If you saturate the color by 10%, you get **35.6771, 0.3948, 0.2682**, and if you desaturate by 10%, it is **51.5996, 0.3544, 0.2909**.

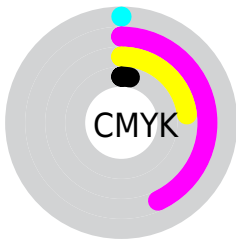
Distribution



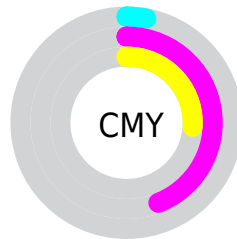
- Red (97%)
- Green (56%)
- Blue (74%)



- Red (97%)
- Yellow (56%)
- Blue (74%)



- Cyan (0%)
- Magenta (43%)
- Yellow (23%)
- Black (3%)




- Cyan (3%)
- Magenta (44%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7943, 0.3730, 0.2790 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 42.7943, 0.3730, 0.2790 by changing the saturation by 10% instead.


 42.7943, 0.3730,
0.2790

 42.7943, 0.3730,
0.2790


357.7651, 0.3429,
0.3035

 29.7238, 0.3805,
0.2731


 79.4004, 0.3621,
0.2878

 19.6290, 0.3900,
0.2655


 103.7047, 0.3580,
0.2911

 12.1257, 0.4027,
0.2557


132.5223, 0.3545,
0.2939

 6.8293, 0.4203,
0.2423

166.2378, 0.3515,
0.2964

 3.3556, 0.4462,
0.2231

205.2354, 0.3489,
0.2985

 1.3201, 0.4878,
0.1936

249.8996, 0.3467,

 0.1567, 0.6197,

0.3004

0.0731

300.6147, 0.3447,
0.3020

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

42.7943, 0.3730,
0.2790

42.7943, 0.3730,
0.2790

35.6771, 0.3948,
0.2682

51.5996, 0.3544,
0.2909

30.1316, 0.4196,
0.2594

62.1870, 0.3387,
0.3031

26.0362, 0.4467,
0.2541

74.6511, 0.3258,
0.3150

23.2485, 0.4750,
0.2535

89.0777, 0.3151,
0.3263

■ 21.5965, 0.5028,
0.2584

■ 98.5129, 0.3078,
0.3290

■ 20.9097, 0.5224,
0.2651

Harmonies

Analogous

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



42.7943, 0.3054, 0.2447



42.7943, 0.3730, 0.2790



42.7943, 0.4263, 0.3248

Triad

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



42.7943, 0.3730, 0.2790



42.7943, 0.3722, 0.4485



42.7943, 0.1965, 0.2623

Complementary

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



42.7943, 0.3730, 0.2790



76.4406, 0.2773, 0.3864

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.



42.7943, 0.2100, 0.3172



42.7943, 0.3730, 0.2790



42.7943, 0.3087, 0.4383

Square

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



42.7943, 0.3730, 0.2790



42.7943, 0.4227, 0.4209



42.7943, 0.2496, 0.3859



42.7943, 0.2091, 0.2327

Rectangle

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



42.7943, 0.3730, 0.2790



42.7943, 0.4428, 0.3582



42.7943, 0.2496, 0.3859



42.7943, 0.1980, 0.2779

Sweetspot

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



42.7964, 0.3730, 0.2790



79.5187, 0.3264, 0.3144



38.3104, 0.2770, 0.2114



16.3530, 0.3291, 0.3118



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.



42.7964, 0.3730, 0.2790



39.3391, 0.3915, 0.2696



42.6756, 0.4216, 0.3350



16.6058, 0.3223, 0.3185



11.0868, 0.5183, 0.2629



0.9948, 0.4874, 0.2459

Inverse Universe

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



42.7964, 0.3730, 0.2790



39.3391, 0.3915, 0.2696



75.8190, 0.2538, 0.3227



16.6058, 0.3223, 0.3185



11.0868, 0.5183, 0.2629



0.9948, 0.4874, 0.2459

Previews

White Background



This preview shows how the Yxy color 42.7943, 0.3730, 0.2790 looks on a white background.

Color Contrast Check

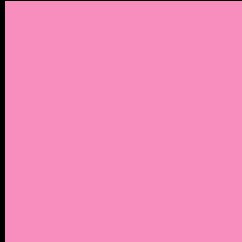
Large Text (above 18pt) WCAG AA × Fail

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 42.7943, 0.3730, 0.2790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

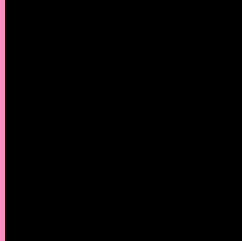
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.7943, 0.3730, 0.2790

Background



This preview shows how black text looks on a background with the Yxy color 42.7943, 0.3730, 0.2790.



This preview shows how white text looks on a background with the Yxy color 42.7943, 0.3730, 0.2790.

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

42.7943, 0.3730, 0.2790

Protanopia

43.2004, 0.2808, 0.2835

Deuteranopia

42.9015, 0.3172, 0.3109



Tritanopia

42.9161, 0.4003, 0.3172

Trichromacy



Original Color

42.7943, 0.3730, 0.2790



Protanomaly

41.9752, 0.3105, 0.2796



Deuteranomaly

42.2421, 0.3360, 0.2973



Tritanomaly

42.8725, 0.3902, 0.3031

Monochromacy



Original Color

42.7943, 0.3730, 0.2790



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

43.5287, 0.3331, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7943, 0.3730, 0.2790 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, 142, 189)` looks like.

```
.text, #text, p{  
    color:rgb(247, 142, 189)  
}
```

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, 142, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 142, 189) }
```

Border

The CSS property to change the border of an element to Yxy 42.7943, 0.3730, 0.2790 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, 142, 189) }
```

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

```
.border{ border-color:rgb(247, 142, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 142, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 142, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 142, 189);  
box-shadow:4px 4px 4px 4px rgb(247, 142,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7943, 0.3730, 0.2790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 142, 189) }
```

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

```
.background{ background-color: rgb(247,  
142, 189) }
```

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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