

Converting Colors

$Y_{xy}(34.7545, 0.4015, 0.2688)$

Have a look what the booklet for
Yxy(34.7545, 0.4015, 0.2688)
contains.

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Color

Yxy(34.7070, 0.4023, 0.2687)

Conversions

Conversions Part 1

Format	Color
Hex	F871AB
RGB	248, 113, 171
RGB Percent	97%, 44%, 67%
CMY	0.0275, 0.5568, 0.3294
CMYK	0.00, 0.54, 0.31, 0.03
HSL	334°, 91%, 71%
HSV	334°, 54%, 97%
XYZ	51.9636, 34.7070, 42.4957
YIQ	159.9770, 61.8420, 46.6580

Conversions

Conversions Part 2

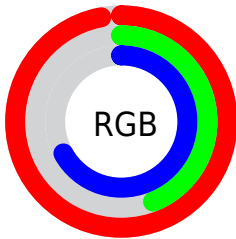
Format	Color
R _Y B	248, 113, 171
Decimal	16282027
CIE Lab	65.52, 57.46, -5.61
CIE LCh	66, 57.737, 354.427
Yxy	34.7070, 0.4023, 0.2687
Android (android.graphics.Color)	4294472107 (0xFFFF871AB)
YUV	159.9770, 5.4343, 77.1962
Hunter-Lab	58.9126, 54.3480, -1.5291

Details

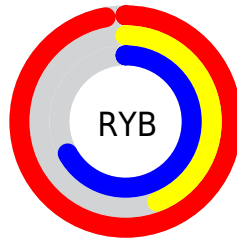
The Yxy color **34.7070, 0.4023, 0.2687** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **74.3531, 0.2693, 0.4031**, and the grayscale version is **35.0990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.1269, 0.3403, 0.2713**, and **14.8516, 0.4297, 0.2504** is the 20% darker color. If you saturate the color by 10%, you get **29.3991, 0.4286, 0.2610**, and if you desaturate by 10%, it is **41.5874, 0.3791, 0.2788**.

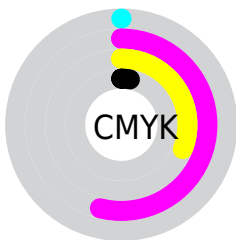
Distribution



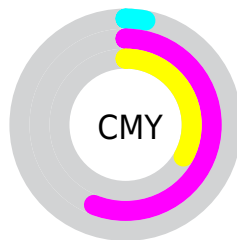
- Red (97%)
- Green (44%)
- Blue (67%)



- Red (97%)
- Yellow (44%)
- Blue (67%)



- Cyan (0%)
- Magenta (54%)
- Yellow (31%)
- Black (3%)





- Cyan (3%)
- Magenta (56%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7070, 0.4023, 0.2687 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 34.7070, 0.4023, 0.2687 by changing the saturation by 10% instead.


 34.7070, 0.4023,
0.2687


 34.7070, 0.4023,
0.2687


323.2732, 0.3560,
0.2992


 23.4373, 0.4143,
0.2610


 67.0316, 0.3852,
0.2799

 14.9167, 0.4298,
0.2511


 88.8553, 0.3788,
0.2840

 8.7610, 0.4509,
0.2379


 114.9657, 0.3735,
0.2876

 4.5856, 0.4809,
0.2195

145.7473, 0.3690,
0.2906

 2.0062, 0.5266,
0.1923

181.5844, 0.3651,
0.2932

 0.6111, 0.6066,
0.1438

222.8615, 0.3617,

 0.0000, 1.0000,

0.2955

0.0000

269.9630, 0.3587,
0.2975

■ 0.0000, 0.0000,
0.0000

■ 34.7070, 0.4023,
0.2687

■ 34.7070, 0.4023,
0.2687

■ 29.3991, 0.4286,
0.2610

■ 41.5874, 0.3791,
0.2788

■ 25.5303, 0.4572,
0.2569

■ 50.1490, 0.3591,
0.2901

■ 22.9538, 0.4867,
0.2577

■ 60.4966, 0.3424,
0.3018

■ 21.4878, 0.5150,
0.2640

■ 72.7250, 0.3285,
0.3134

■ 21.0056, 0.5299,
0.2693

■ 86.9223, 0.3171,
0.3244

98.6932, 0.3084,
0.3290

Harmonies

Analogous

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



34.7070, 0.3108, 0.2244



34.7070, 0.4023, 0.2687



34.7070, 0.4709, 0.3261

Triad

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



34.7070, 0.4023, 0.2687



34.7070, 0.3779, 0.4910



34.7070, 0.1640, 0.2332

Complementary

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



34.7070, 0.4023, 0.2687



74.3531, 0.2693, 0.4031

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.



34.7070, 0.1756, 0.3005



34.7070, 0.4023, 0.2687



34.7070, 0.2946, 0.4767

Square

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



34.7070, 0.4023, 0.2687



34.7070, 0.4486, 0.4501



34.7070, 0.2207, 0.3968



34.7070, 0.1830, 0.2020

Rectangle

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



34.7070, 0.4023, 0.2687



34.7070, 0.4875, 0.3677



34.7070, 0.2207, 0.3968



34.7070, 0.1643, 0.2514

Sweetspot

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



34.7088, 0.4023, 0.2687



75.2654, 0.3306, 0.3115



29.4736, 0.2655, 0.1780



15.5135, 0.3333, 0.3092



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.



34.7088, 0.4023, 0.2687



31.0012, 0.4305, 0.2606



35.0692, 0.4698, 0.3387



17.3491, 0.3226, 0.3188



11.3759, 0.5259, 0.2671



1.0744, 0.4956, 0.2504

Inverse Universe

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



34.7088, 0.4023, 0.2687



31.0012, 0.4305, 0.2606



72.0123, 0.2412, 0.3180



17.3491, 0.3226, 0.3188



11.3759, 0.5259, 0.2671



1.0744, 0.4956, 0.2504

Previews

White Background



This preview shows how the Yxy color 34.7070, 0.4023, 0.2687 looks on a white background.

Color Contrast Check

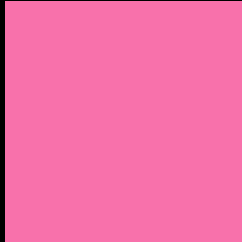
Large Text (above 18pt) WCAG AA × Fail

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 34.7070, 0.4023, 0.2687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

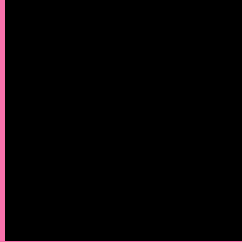
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7070, 0.4023, 0.2687

Background



This preview shows how black text looks on a background with the Yxy color 34.7070, 0.4023, 0.2687.



This preview shows how white text looks on a background with the Yxy color 34.7070, 0.4023, 0.2687.

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

34.7070, 0.4023, 0.2687

Protanopia

35.0134, 0.2704, 0.2701

Deuteranopia

35.0073, 0.3222, 0.3163



Tritanopia

34.5195, 0.4463, 0.3198

Trichromacy



Original Color

34.7070, 0.4023, 0.2687



Protanomaly

33.3344, 0.3116, 0.2673



Deuteranomaly

33.8255, 0.3494, 0.2942



Tritanomaly

34.4137, 0.4301, 0.3006

Monochromacy



Original Color

34.7070, 0.4023, 0.2687



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.5317, 0.3436, 0.3011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7070, 0.4023, 0.2687 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(248, 113, 171)` looks like.

```
.text, #text, p{  
    color:rgb(248, 113, 171)  
}
```

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(248, 113, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 113, 171) }
```

Border

The CSS property to change the border of an element to Yxy 34.7070, 0.4023, 0.2687 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(248, 113, 171) }
```

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

```
.border{ border-color:rgb(248, 113, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 113, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 113, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 113, 171);  
box-shadow:4px 4px 4px 4px rgb(248, 113,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7070, 0.4023, 0.2687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 113, 171) }
```

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

```
.background{ background-color: rgb(248,  
113, 171) }
```

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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