

Converting Colors

$Yxy(23.8747, 0.3992, 0.1973)$

Have a look what the booklet for
Yxy(23.8747, 0.3992, 0.1973)
contains.

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Color

Yxy(23.9118, 0.3987, 0.1970)

Conversions

Conversions Part 1

Format	Color
Hex	FA00BB
RGB	250, 0, 187
RGB Percent	98%, 0%, 73%
CMY	0.0196, 0.9998, 0.2667
CMYK	0.00, 1.00, 0.25, 0.02
HSL	315°, 100%, 49%
HSV	315°, 100%, 98%
XYZ	48.3941, 23.9118, 49.0738
YIQ	96.0680, 88.9730, 111.1570

Conversions

Conversions Part 2

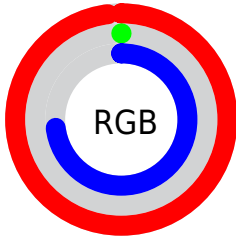
Format	Color
R_{YB}	250, 0, 187
Decimal	16384187
CIE _{Lab}	56.00, 88.92, -29.20
CIE _{LCh}	56, 93.590, 341.817
Yxy	23.9118, 0.3987, 0.1970
Android (android.graphics.Color)	4294574267 (0xFFFA00BB)
YUV	96.0680, 44.8295, 134.9984
Hunter-Lab	48.8997, 91.0799, -25.2713

Details

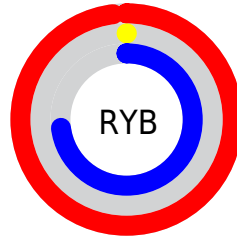
The Yxy color **23.9118, 0.3987, 0.1970** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **68.7332, 0.2925, 0.5730**, and the grayscale version is **11.5941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0384, 0.3306, 0.1972**, and **12.3848, 0.4119, 0.2043** is the 20% darker color. If you saturate the color by 10%, you get **23.9117, 0.3987, 0.1970**, and if you desaturate by 10%, it is **24.8852, 0.3888, 0.1957**.

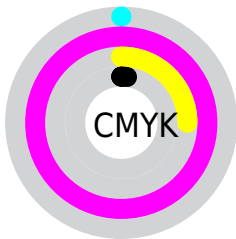
Distribution



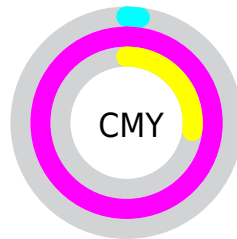
- Red (98%)
- Green (0%)
- Blue (73%)



- Red (98%)
- Yellow (0%)
- Blue (73%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9118, 0.3987, 0.1970 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 23.9118, 0.3987, 0.1970 by changing the saturation by 10% instead.


 23.9118, 0.3987,
0.1970


 23.9118, 0.3987,
0.1970


272.3743, 0.3556,
0.2612


 15.2682, 0.4093,
0.1819


 49.8862, 0.3831,
0.2197


 9.0078, 0.4227,
0.1632


 67.9859, 0.3773,
0.2284

 4.7463, 0.4401,
0.1397


 90.0063, 0.3723,
0.2359

 2.0992, 0.4635,
0.1096

 116.3319, 0.3680,
0.2423

 0.6642, 0.4965,
0.0699

 147.3471, 0.3643,
0.2479

 0.0000, 0.5558,
0.0000

183.4363, 0.3610,

 0.0000, 0.6632,

0.2529

0.0000

224.9839, 0.3582,
0.2573

■ 0.0000, 0.0000,
0.0000

■ 23.9118, 0.3987,
0.1970

■ 23.9118, 0.3987,
0.1970

■ 23.9117, 0.3987,
0.1970

■ 24.8852, 0.3888,
0.1957

■ 26.7608, 0.3785,
0.1988

■ 29.8140, 0.3681,
0.2068

■ 34.2110, 0.3579,
0.2190

■ 40.0914, 0.3482,
0.2347

■ 47.5772, 0.3392,
0.2525

■ 56.7777, 0.3312,
0.2717

■ 67.7926, 0.3241,
0.2912

■ 80.7140, 0.3179,
0.3105

Harmonies

Analogous

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



23.9118, 0.2423, 0.1472



23.9118, 0.3987, 0.1970



23.9118, 0.5546, 0.2686

Triad

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



23.9118, 0.3987, 0.1970



23.9118, 0.4362, 0.5557



23.9118, 0.0862, 0.1946

Complementary

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



23.9118, 0.3987, 0.1970



68.7332, 0.2925, 0.5730

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.



23.9118, 0.1106, 0.3325



23.9118, 0.3987, 0.1970



23.9118, 0.3075, 0.6344

Square

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



23.9118, 0.3987, 0.1970



23.9118, 0.5491, 0.4411



23.9118, 0.1884, 0.5458



23.9118, 0.0980, 0.1387

Rectangle

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



23.9118, 0.3987, 0.1970



23.9118, 0.6035, 0.3203



23.9118, 0.1884, 0.5458



23.9118, 0.0896, 0.2292

Sweetspot

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



23.9131, 0.3987, 0.1970



59.3397, 0.3312, 0.2716



7.9447, 0.1631, 0.0672



11.7843, 0.3345, 0.2634



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.



23.9131, 0.3987, 0.1970



25.0092, 0.3988, 0.1971



20.6793, 0.5973, 0.3064



17.4454, 0.3177, 0.3114



12.7075, 0.3972, 0.1962



1.1939, 0.3860, 0.1900

Inverse Universe

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



23.9131, 0.3987, 0.1970



25.0092, 0.3988, 0.1971



71.9836, 0.2482, 0.4134



17.4454, 0.3177, 0.3114



12.7075, 0.3972, 0.1962



1.1939, 0.3860, 0.1900

Previews

White Background



This preview shows how the Yxy color 23.9118, 0.3987, 0.1970 looks on a white background.

Color Contrast Check

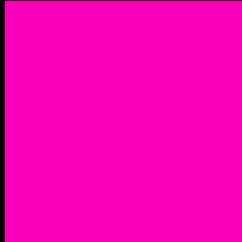
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9118, 0.3987, 0.1970 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 × Fail

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

Yxy 23.9118, 0.3987, 0.1970

Background



This preview shows how black text looks on a background with the Yxy color 23.9118, 0.3987, 0.1970.



This preview shows how white text looks on a background with the Yxy color 23.9118, 0.3987, 0.1970.

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

23.9118, 0.3987, 0.1970

Protanopia

24.9877, 0.1896, 0.1648

Deuteranopia

24.4594, 0.2678, 0.2617



Tritanopia

24.3106, 0.5438, 0.3272

Trichromacy



Original Color

23.9118, 0.3987, 0.1970



Protanomaly

17.2047, 0.2261, 0.1417



Deuteranomaly

18.5223, 0.3099, 0.2021



Tritanomaly

22.7299, 0.5009, 0.2718

Monochromacy



Original Color

23.9118, 0.3987, 0.1970



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

11.5979, 0.3559, 0.2222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9118, 0.3987, 0.1970 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(250, 0, 187)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 187)  
}
```

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(250, 0, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 187) }
```

Border

The CSS property to change the border of an element to Yxy 23.9118, 0.3987, 0.1970 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(250, 0, 187) }
```

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

```
.border{ border-color:rgb(250, 0, 187) }
```

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

Here you see how a box with a 4 pixel rgb(250, 0, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 187);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9118, 0.3987, 0.1970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 187) }
```

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

```
.background{ background-color: rgb(250, 0,  
187) }
```

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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