

Converting Colors

$Y_{xy}(23.7619, 0.4031, 0.1994)$

Have a look what the booklet for
Yxy(23.7619, 0.4031, 0.1994)
contains.

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Color

Yxy(23.7847, 0.4031, 0.1994)

Conversions

Conversions Part 1

Format	Color
Hex	FA00B8
RGB	250, 0, 184
RGB Percent	98%, 0%, 72%
CMY	0.0195, 1.0000, 0.2784
CMYK	0.00, 1.00, 0.26, 0.02
HSL	316°, 100%, 49%
HSV	316°, 100%, 98%
XYZ	48.0823, 23.7847, 47.4143
YIQ	95.7260, 89.9360, 110.2240

Conversions

Conversions Part 2

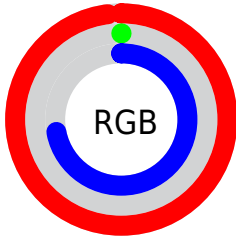
Format	Color
RYB	250, 0, 184
Decimal	16384184
CIELab	55.87, 88.61, -27.68
CIELCh	56, 92.830, 342.654
Yxy	23.7847, 0.4031, 0.1994
Android (android.graphics.Color)	4294574264 (0xFFFA00B8)
YUV	95.7260, 43.5191, 135.2983
Hunter-Lab	48.7696, 90.6379, -23.5037

Details

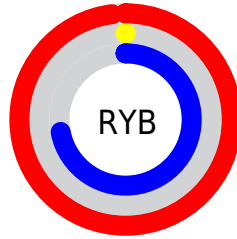
The Yxy color **23.7847, 0.4031, 0.1994** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **68.7757, 0.2918, 0.5706**, and the grayscale version is **11.5060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8586, 0.3335, 0.1995**, and **12.3301, 0.4159, 0.2065** is the 20% darker color. If you saturate the color by 10%, you get **23.7888, 0.4031, 0.1994**, and if you desaturate by 10%, it is **24.7675, 0.3926, 0.1979**.

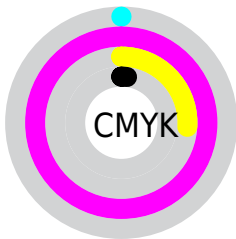
Distribution



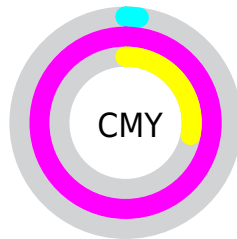
- Red (98%)
- Green (0%)
- Blue (72%)



- Red (98%)
- Yellow (0%)
- Blue (72%)



- Cyan (0%)
- Magenta (100%)
- Yellow (26%)
- Black (2%)



- Cyan (2%)
- Magenta (100%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7847, 0.4031, 0.1994 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 23.7847, 0.4031, 0.1994 by changing the saturation by 10% instead.


 23.7847, 0.4031,
0.1994

 23.7847, 0.4031,
0.1994


271.7302, 0.3574,
0.2627


 15.1740, 0.4145,
0.1844


 49.6786, 0.3865,
0.2219


 8.9416, 0.4289,
0.1658


 67.7306, 0.3802,
0.2305


 4.7031, 0.4479,
0.1422


 89.6985, 0.3750,
0.2378

 2.0741, 0.4736,
0.1119

 115.9667, 0.3705,
0.2442

 0.6500, 0.5108,
0.0714

 146.9196, 0.3665,
0.2497

 0.0000, 0.5776,
0.0000

182.9415, 0.3631,

 0.0000, 0.7447,

0.2546

0.0000

224.4169, 0.3601,
0.2589

■ 0.0000, 0.0000,
0.0000

■ 23.7847, 0.4031,
0.1994

■ 23.7847, 0.4031,
0.1994

■ 23.7888, 0.4031,
0.1994

■ 24.7675, 0.3926,
0.1979

■ 26.6501, 0.3817,
0.2007

■ 29.7111, 0.3707,
0.2085

■ 34.1171, 0.3599,
0.2206

■ 40.0075, 0.3497,
0.2360

■ 47.5046, 0.3403,
0.2536

■ 56.7176, 0.3319,
0.2725

■ 67.7463, 0.3245,
0.2918

■ 80.6828, 0.3182,
0.3108

Harmonies

Analogous

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



23.7847, 0.2464, 0.1489



23.7847, 0.4031, 0.1994



23.7847, 0.5564, 0.2712

Triad

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



23.7847, 0.4031, 0.1994



23.7847, 0.4326, 0.5580



23.7847, 0.0869, 0.1930

Complementary

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



23.7847, 0.4031, 0.1994



68.7757, 0.2918, 0.5706

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.



23.7847, 0.1103, 0.3274



23.7847, 0.4031, 0.1994



23.7847, 0.3046, 0.6330

Square

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



23.7847, 0.4031, 0.1994



23.7847, 0.5457, 0.4442



23.7847, 0.1864, 0.5388



23.7847, 0.0995, 0.1387

Rectangle

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



23.7847, 0.4031, 0.1994



23.7847, 0.6027, 0.3229



23.7847, 0.1864, 0.5388



23.7847, 0.0901, 0.2267

Sweetspot

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



23.7888, 0.4031, 0.1994



59.2871, 0.3319, 0.2725



7.9438, 0.1631, 0.0672



11.7716, 0.3354, 0.2644



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.



23.7888, 0.4031, 0.1994



24.8773, 0.4032, 0.1995



20.6807, 0.5973, 0.3064



17.4417, 0.3179, 0.3117



12.6413, 0.4014, 0.1985



1.1883, 0.3896, 0.1920

Inverse Universe

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



23.7888, 0.4031, 0.1994



24.8773, 0.4032, 0.1995



71.9922, 0.2482, 0.4134



17.4417, 0.3179, 0.3117



12.6413, 0.4014, 0.1985



1.1883, 0.3896, 0.1920

Previews

White Background



This preview shows how the Yxy color 23.7847, 0.4031, 0.1994 looks on a white background.

Color Contrast Check

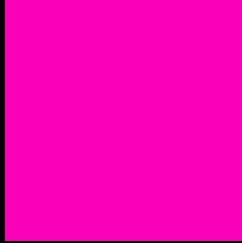
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7847, 0.4031, 0.1994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

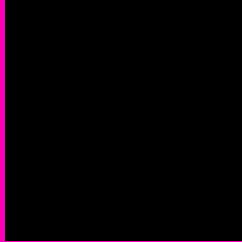
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7847, 0.4031, 0.1994

Background



This preview shows how black text looks on a background with the Yxy color 23.7847, 0.4031, 0.1994.



This preview shows how white text looks on a background with the Yxy color 23.7847, 0.4031, 0.1994.

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

23.7847, 0.4031, 0.1994

Protanopia

24.6815, 0.1890, 0.1633

Deuteranopia

24.4207, 0.2713, 0.2662



Tritanopia

24.1641, 0.5458, 0.3272

Trichromacy



Original Color

23.7847, 0.4031, 0.1994



Protanomaly

16.9120, 0.2257, 0.1410



Deuteranomaly

18.5158, 0.3147, 0.2058



Tritanomaly

22.6043, 0.5045, 0.2733

Monochromacy



Original Color

23.7847, 0.4031, 0.1994



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

11.5714, 0.3577, 0.2235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7847, 0.4031, 0.1994 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, 184)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 184)  
}
```

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, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 184) }
```

Border

The CSS property to change the border of an element to Yxy 23.7847, 0.4031, 0.1994 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, 184) }
```

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

```
.border{ border-color:rgb(250, 0, 184) }
```

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, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 184);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7847, 0.4031, 0.1994 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, 184) }
```

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

```
.background{ background-color: rgb(250, 0,  
184) }
```

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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