

Converting Colors

$Y_{xy}(23.0273, 0.4797, 0.2466)$

Have a look what the booklet for
Yxy(23.0273, 0.4797, 0.2466)
contains.

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Color

Yxy(23.0858, 0.4809, 0.2473)

Conversions

Conversions Part 1

Format	Color
Hex	FC1788
RGB	252, 23, 136
RGB Percent	99%, 9%, 53%
CMY	0.0118, 0.9095, 0.4668
CMYK	0.00, 0.91, 0.46, 0.01
HSL	330°, 97%, 54%
HSV	330°, 91%, 99%
XYZ	44.8927, 23.0858, 25.3729
YIQ	104.3530, 100.2110, 83.6910

Conversions

Conversions Part 2

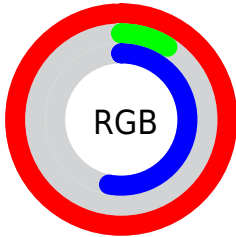
Format	Color
R_{YB}	252, 23, 136
Decimal	16521096
CIE Lab	55.16, 82.66, -0.38
CIE LCh	55, 82.662, 359.734
Yxy	23.0858, 0.4809, 0.2473
Android (android.graphics.Color)	4294711176 (0xFFFC1788)
YUV	104.3530, 15.6020, 129.4864
Hunter-Lab	48.0477, 82.6955, 2.3237

Details

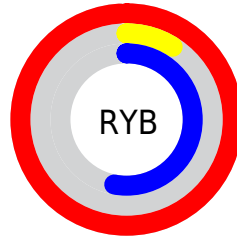
The Yxy color **23.0858, 0.4809, 0.2473** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **71.6679, 0.2697, 0.4852**, and the grayscale version is **13.8906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0373, 0.3893, 0.2459**, and **11.5069, 0.5131, 0.2600** is the 20% darker color. If you saturate the color by 10%, you get **22.1570, 0.5029, 0.2544**, and if you desaturate by 10%, it is **24.9926, 0.4557, 0.2443**.

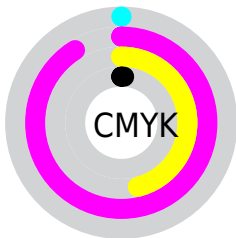
Distribution



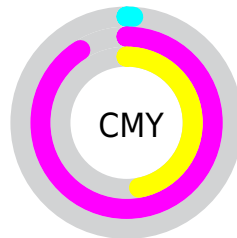
- Red (99%)
- Green (9%)
- Blue (53%)



- Red (99%)
- Yellow (9%)
- Blue (53%)



- Cyan (0%)
- Magenta (91%)
- Yellow (46%)
- Black (1%)




- Cyan (1%)
- Magenta (91%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0858, 0.4809, 0.2473 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 23.0858, 0.4809, 0.2473 by changing the saturation by 10% instead.


 23.0858, 0.4809,
0.2473


 23.0858, 0.4809,
0.2473


268.1654, 0.3888,
0.2920


 14.6569, 0.5063,
0.2350


 48.5342, 0.4456,
0.2644


 8.5789, 0.5401,
0.2187

 66.3224, 0.4329,
0.2706


 4.4676, 0.5870,
0.1961

 87.9992, 0.4224,
0.2757

 1.9384, 0.6548,
0.1634

 113.9490, 0.4135,
0.2800

 0.5713, 0.7661,
0.1095

 144.5560, 0.4060,
0.2836

 0.0000, 1.0000,
0.0000

180.2049, 0.3995,

 0.0000, 0.0000,

0.2868

0.0000

221.2799, 0.3938,
0.2895

■ 23.0858, 0.4809,
0.2473

■ 23.0858, 0.4809,
0.2473

■ 22.1570, 0.5029,
0.2544


■ 24.9926, 0.4557,
0.2443


■ 28.1134, 0.4303,
0.2467


■ 32.6233, 0.4062,
0.2537

■ 38.6678, 0.3843,
0.2639

■ 46.3738, 0.3651,
0.2761

 55.8548, 0.3485,
0.2893

 67.2142, 0.3346,
0.3026

 80.5475, 0.3230,
0.3156

 95.9436, 0.3134,
0.3280

Harmonies

Analogous

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



23.0858, 0.3299, 0.1853



23.0858, 0.4809, 0.2473



23.0858, 0.5748, 0.3218

Triad

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



23.0858, 0.4809, 0.2473



23.0858, 0.3644, 0.5897



23.0858, 0.1035, 0.1688

Complementary

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



23.0858, 0.4809, 0.2473



71.6679, 0.2697, 0.4852

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.



23.0858, 0.1064, 0.2492



23.0858, 0.4809, 0.2473



23.0858, 0.2463, 0.5738

Square

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



23.0858, 0.4809, 0.2473



23.0858, 0.4790, 0.5021



23.0858, 0.1513, 0.4083



23.0858, 0.1343, 0.1418

Rectangle

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



23.0858, 0.4809, 0.2473



23.0858, 0.5777, 0.3754



23.0858, 0.1513, 0.4083



23.0858, 0.1007, 0.1882

Sweetspot

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



23.0872, 0.4809, 0.2473



61.6140, 0.3429, 0.2944



13.0072, 0.2104, 0.0968



12.3762, 0.3479, 0.2899



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.



23.0872, 0.4809, 0.2473



22.7603, 0.5031, 0.2545



21.3724, 0.6269, 0.3299



17.3680, 0.3216, 0.3174



11.5720, 0.4991, 0.2523



1.0931, 0.4721, 0.2374

Inverse Universe

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



23.0872, 0.4809, 0.2473



22.7603, 0.5031, 0.2545



76.8292, 0.2256, 0.3287



17.3680, 0.3216, 0.3174



11.5720, 0.4991, 0.2523



1.0931, 0.4721, 0.2374

Previews

White Background



This preview shows how the Yxy color 23.0858, 0.4809, 0.2473 looks on a white background.

Color Contrast Check

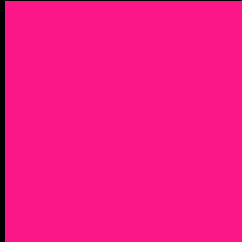
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0858, 0.4809, 0.2473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

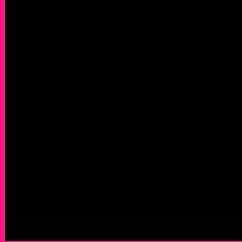
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0858, 0.4809, 0.2473

Background



This preview shows how black text looks on a background with the Yxy color 23.0858, 0.4809, 0.2473.



This preview shows how white text looks on a background with the Yxy color 23.0858, 0.4809, 0.2473.

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

23.0858, 0.4809, 0.2473

Protanopia

23.5724, 0.2396, 0.2302

Deuteranopia

23.2406, 0.3390, 0.3324



Tritanopia

23.1882, 0.5811, 0.3292

Trichromacy



Original Color

23.0858, 0.4809, 0.2473



Protanomaly

18.4580, 0.3056, 0.2131



Deuteranomaly

19.3631, 0.3952, 0.2739



Tritanomaly

22.6884, 0.5531, 0.3011

Monochromacy



Original Color

23.0858, 0.4809, 0.2473



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

13.5622, 0.3844, 0.2637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0858, 0.4809, 0.2473 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(252, 23, 136)` looks like.

```
.text, #text, p{  
    color:rgb(252, 23, 136)  
}
```

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(252, 23, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 23, 136) }
```

Border

The CSS property to change the border of an element to Yxy 23.0858, 0.4809, 0.2473 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(252, 23, 136) }
```

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

```
.border{ border-color:rgb(252, 23, 136) }
```

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

Here you see how a box with a 4 pixel rgb(252, 23, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 23, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 23, 136);  
box-shadow:4px 4px 4px 4px rgb(252, 23,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0858, 0.4809, 0.2473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 23, 136) }
```

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

```
.background{ background-color: rgb(252, 23,  
136) }
```

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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