

Converting Colors

$Y_{xy}(23.8168, 0.4523, 0.2277)$

Have a look what the booklet for
Yxy(23.8168, 0.4523, 0.2277)
contains.

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Color

Yxy(23.8123, 0.4520, 0.2275)

Conversions

Conversions Part 1

Format	Color
Hex	FF079C
RGB	255, 7, 156
RGB Percent	100%, 3%, 61%
CMY	0.0001, 0.9716, 0.3883
CMYK	0.00, 0.97, 0.39, 0.00
HSL	324°, 100%, 51%
HSV	324°, 97%, 100%
XYZ	47.3106, 23.8123, 33.5466
YIQ	98.1380, 99.9790, 98.9150

Conversions

Conversions Part 2

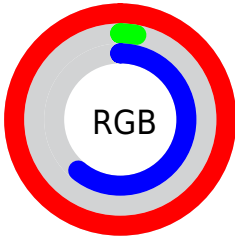
Format	Color
RYB	255, 7, 156
Decimal	16713628
CIELab	55.90, 86.35, -11.12
CIElCh	56, 87.058, 352.664
Yxy	23.8123, 0.4520, 0.2275
Android (android.graphics.Color)	4294903708 (0xFFFF079C)
YUV	98.1380, 28.5260, 137.5680
Hunter-Lab	48.7978, 87.6635, -6.6010

Details

The Yxy color **23.8123, 0.4520, 0.2275** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **72.6013, 0.2812, 0.5309**, and the grayscale version is **12.1956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4159, 0.3651, 0.2244**, and **12.2264, 0.4766, 0.2399** is the 20% darker color. If you saturate the color by 10%, you get **23.5593, 0.4571, 0.2292**, and if you desaturate by 10%, it is **25.0899, 0.4338, 0.2236**.

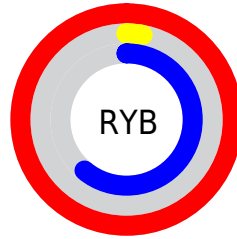
Distribution



Red (100%)

Green (3%)

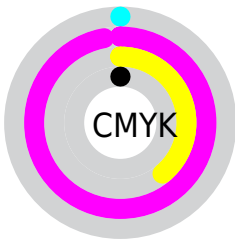
Blue (61%)



Red (100%)

Yellow (3%)

Blue (61%)

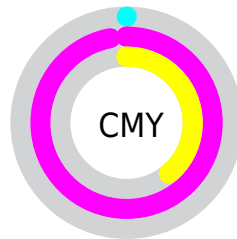


Cyan (0%)

Magenta (97%)

Yellow (39%)

Black (0%)



Cyan (0%)


Magenta (97%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8123, 0.4520, 0.2275 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 23.8123, 0.4520, 0.2275 by changing the saturation by 10% instead.


 23.8123, 0.4520,
0.2275


 23.8123, 0.4520,
0.2275


271.8702, 0.3775,
0.2799


 15.1944, 0.4720,
0.2141


 49.7237, 0.4238,
0.2468

 8.9560, 0.4984,
0.1969


 67.7861, 0.4136,
0.2540


 4.7125, 0.5345,
0.1742


 89.7654, 0.4051,
0.2600

 2.0796, 0.5865,
0.1430

 116.0461, 0.3978,
0.2652

 0.6531, 0.6669,
0.0970

 147.0125, 0.3916,
0.2696

 0.0000, 0.8751,
0.0000

183.0490, 0.3863,

 0.0000, 1.0000,

0.2735

0.0000

224.5401, 0.3816,
0.2769

■ 0.0000, 0.0000,
0.0000

■ 23.8123, 0.4520,
0.2275

■ 23.8123, 0.4520,
0.2275

■ 23.5593, 0.4571,
0.2292

■ 25.0899, 0.4338,
0.2236

■ 27.4565, 0.4151,
0.2251

■ 31.1264, 0.3966,
0.2316

■ 36.2652, 0.3792,
0.2422

■ 43.0140, 0.3634,
0.2557

■ 51.4974, 0.3493,
0.2710

■ 61.8272, 0.3371,
0.2869

■ 74.1062, 0.3268,
0.3029

■ 88.4292, 0.3181,
0.3184

Harmonies

Analogous

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



23.8123, 0.2951, 0.1696



23.8123, 0.4520, 0.2275



23.8123, 0.5716, 0.3012

Triad

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



23.8123, 0.4520, 0.2275



23.8123, 0.3915, 0.5809



23.8123, 0.0958, 0.1766

Complementary

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



23.8123, 0.4520, 0.2275



72.6013, 0.2812, 0.5309

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.



23.8123, 0.1067, 0.2762



23.8123, 0.4520, 0.2275



23.8123, 0.2696, 0.6056

Square

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



23.8123, 0.4520, 0.2275



23.8123, 0.5065, 0.4794



23.8123, 0.1638, 0.4591



23.8123, 0.1188, 0.1395

Rectangle

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



23.8123, 0.4520, 0.2275



23.8123, 0.5907, 0.3538



23.8123, 0.1638, 0.4591



23.8123, 0.0954, 0.2010

Sweetspot

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



23.8137, 0.4520, 0.2275



59.7888, 0.3392, 0.2840



10.2135, 0.1829, 0.0791



11.8365, 0.3443, 0.2771



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.



23.8137, 0.4520, 0.2275



23.5630, 0.4571, 0.2292



21.5423, 0.6231, 0.3224



18.1702, 0.3200, 0.3148



12.3425, 0.4543, 0.2276



1.2233, 0.4349, 0.2169

Inverse Universe

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



23.8137, 0.4520, 0.2275



23.5630, 0.4571, 0.2292



77.0508, 0.2351, 0.3653



18.1702, 0.3200, 0.3148



12.3425, 0.4543, 0.2276



1.2233, 0.4349, 0.2169

Previews

White Background



This preview shows how the Yxy color 23.8123, 0.4520, 0.2275 looks on a white background.

Color Contrast Check

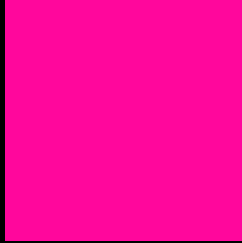
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8123, 0.4520, 0.2275 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 23.8123, 0.4520, 0.2275

Background



This preview shows how black text looks on a background with the Yxy color 23.8123, 0.4520, 0.2275.



This preview shows how white text looks on a background with the Yxy color 23.8123, 0.4520, 0.2275.

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

23.8123, 0.4520, 0.2275

Protanopia

24.4269, 0.2143, 0.1967

Deuteranopia

24.1166, 0.3115, 0.3060



Tritanopia

24.1394, 0.5724, 0.3284

Trichromacy



Original Color

23.8123, 0.4520, 0.2275



Protanomaly

17.9085, 0.2691, 0.1770



Deuteranomaly

19.0159, 0.3650, 0.2434



Tritanomaly

23.2144, 0.5401, 0.2907

Monochromacy



Original Color

23.8123, 0.4520, 0.2275



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

12.0811, 0.3777, 0.2435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8123, 0.4520, 0.2275 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(255, 7, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 7, 156)  
}
```

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(255, 7, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 7, 156) }
```

Border

The CSS property to change the border of an element to Yxy 23.8123, 0.4520, 0.2275 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(255, 7, 156) }
```

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

```
.border{ border-color:rgb(255, 7, 156) }
```

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

Here you see how a box with a 4 pixel rgb(255, 7, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 7, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 7, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 7,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8123, 0.4520, 0.2275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 7, 156) }
```

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

```
.background{ background-color: rgb(255, 7,  
156) }
```

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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