

Converting Colors

$Y_{xy}(23.7803, 0.4516, 0.2270)$

Have a look what the booklet for
Yxy(23.7803, 0.4516, 0.2270)
contains.

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Color

Yxy(23.7688, 0.4521, 0.2272)

Conversions

Conversions Part 1

Format	Color
Hex	FF059C
RGB	255, 5, 156
RGB Percent	100%, 2%, 61%
CMY	0.0000, 0.9804, 0.3882
CMYK	0.00, 0.98, 0.39, 0.00
HSL	324°, 100%, 51%
HSV	324°, 98%, 100%
XYZ	47.2970, 23.7688, 33.5504
YIQ	96.9640, 100.5290, 99.9610

Conversions

Conversions Part 2

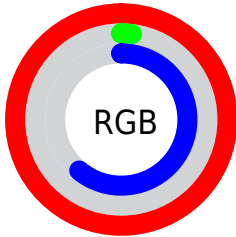
Format	Color
R_{YB}	255, 5, 156
Decimal	16713116
CIE _{Lab}	55.86, 86.50, -11.20
CIE _{LCh}	56, 87.218, 352.624
Yxy	23.7688, 0.4521, 0.2272
Android (android.graphics.Color)	4294903196 (0xFFFF059C)
YUV	96.9640, 29.1047, 138.5976
Hunter-Lab	48.7533, 87.8500, -6.6742

Details

The Yxy color **23.7688, 0.4521, 0.2272** 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 **72.5516, 0.2819, 0.5337**, and the grayscale version is **11.8537, 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 **23.5940, 0.4556, 0.2283**, and if you desaturate by 10%, it is **24.9711, 0.4341, 0.2230**.

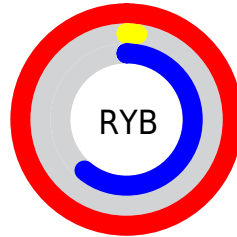
Distribution



Red (100%)

Green (2%)

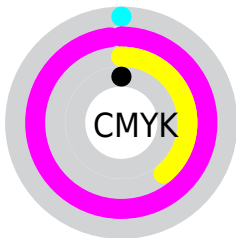
Blue (61%)



Red (100%)

Yellow (2%)

Blue (61%)

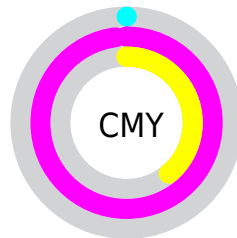


Cyan (0%)

Magenta (98%)

Yellow (39%)

Black (0%)



Cyan (0%)


Magenta (98%)

Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7688, 0.4521, 0.2272 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 23.7688, 0.4521, 0.2272 by changing the saturation by 10% instead.


 23.7688, 0.4521,
0.2272


 23.7688, 0.4521,
0.2272


271.6495, 0.3775,
0.2797

 15.1622, 0.4721,
0.2138


 49.6527, 0.4239,
0.2466


 8.9333, 0.4985,
0.1966


 67.6987, 0.4137,
0.2538


 4.6977, 0.5347,
0.1737


 89.6600, 0.4051,
0.2598

 2.0710, 0.5867,
0.1425

 115.9210, 0.3979,
0.2650

 0.6482, 0.6672,
0.0964

 146.8661, 0.3917,
0.2694

 0.0000, 0.8749,
0.0000

182.8796, 0.3863,

 0.0000, 1.0000,

0.2733

0.0000

224.3459, 0.3817,
0.2767

■ 0.0000, 0.0000,
0.0000

■ 23.7688, 0.4521,
0.2272

■ 23.7688, 0.4521,
0.2272

■ 23.5940, 0.4556,
0.2283

■ 24.9711, 0.4341,
0.2230

■ 27.2311, 0.4157,
0.2241

■ 30.7776, 0.3974,
0.2303

■ 35.7793, 0.3801,
0.2407

■ 42.3792, 0.3642,
0.2540

■ 50.7027, 0.3501,
0.2692

■ 60.8631, 0.3379,
0.2853

■ 72.9636, 0.3275,
0.3014

■ 87.0998, 0.3187,
0.3170

Harmonies

Analogous

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



23.7688, 0.2948, 0.1693



23.7688, 0.4521, 0.2272



23.7688, 0.5720, 0.3009

Triad

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



23.7688, 0.4521, 0.2272



23.7688, 0.3916, 0.5812



23.7688, 0.0955, 0.1763

Complementary

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



23.7688, 0.4521, 0.2272



72.5516, 0.2819, 0.5337

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.



23.7688, 0.1064, 0.2762



23.7688, 0.4521, 0.2272



23.7688, 0.2696, 0.6064

Square

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



23.7688, 0.4521, 0.2272



23.7688, 0.5068, 0.4793



23.7688, 0.1636, 0.4597



23.7688, 0.1185, 0.1392

Rectangle

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



23.7688, 0.4521, 0.2272



23.7688, 0.5913, 0.3536



23.7688, 0.1636, 0.4597



23.7688, 0.0951, 0.2008

Sweetspot

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



23.7691, 0.4521, 0.2272



59.8036, 0.3390, 0.2837



10.0857, 0.1820, 0.0783



11.8400, 0.3441, 0.2768



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.



23.7691, 0.4521, 0.2272



23.5940, 0.4556, 0.2283



21.4850, 0.6249, 0.3228



18.1714, 0.3199, 0.3147



12.3586, 0.4528, 0.2268



1.2249, 0.4336, 0.2162

Inverse Universe

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



23.7691, 0.4521, 0.2272



23.5940, 0.4556, 0.2283



77.0341, 0.2351, 0.3657



18.1714, 0.3199, 0.3147



12.3586, 0.4528, 0.2268



1.2249, 0.4336, 0.2162

Previews

White Background



This preview shows how the Yxy color 23.7688, 0.4521, 0.2272 looks on a white background.

Color Contrast Check

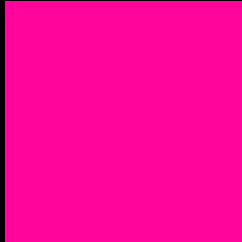
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7688, 0.4521, 0.2272 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 23.7688, 0.4521, 0.2272

Background



This preview shows how black text looks on a background with the Yxy color 23.7688, 0.4521, 0.2272.



This preview shows how white text looks on a background with the Yxy color 23.7688, 0.4521, 0.2272.

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

23.7688, 0.4521, 0.2272

Protanopia

24.4810, 0.2138, 0.1958

Deuteranopia

24.1166, 0.3115, 0.3060



Tritanopia

24.1394, 0.5724, 0.3284

Trichromacy



Original Color

23.7688, 0.4521, 0.2272



Protanomaly

17.7477, 0.2690, 0.1758



Deuteranomaly

18.8573, 0.3652, 0.2422



Tritanomaly

23.1444, 0.5404, 0.2902

Monochromacy



Original Color

23.7688, 0.4521, 0.2272



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

11.8448, 0.3782, 0.2431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7688, 0.4521, 0.2272 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, 5, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 5, 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, 5, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 5, 156) }
```

Border

The CSS property to change the border of an element to Yxy 23.7688, 0.4521, 0.2272 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, 5, 156) }
```

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

```
.border{ border-color:rgb(255, 5, 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, 5, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 5, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 5, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 5,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7688, 0.4521, 0.2272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 5, 156) }
```

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

```
.background{ background-color: rgb(255, 5,  
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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