

Converting Colors

$Y_{xy}(23.8879, 0.4552, 0.2303)$

Have a look what the booklet for
Yxy(23.8879, 0.4552, 0.2303)
contains.

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Color

Yxy(23.8809, 0.4549, 0.2301)

Conversions

Conversions Part 1

Format	Color
Hex	FF0D9A
RGB	255, 13, 154
RGB Percent	100%, 5%, 60%
CMY	0.0001, 0.9483, 0.3961
CMYK	0.00, 0.95, 0.40, 0.00
HSL	325°, 100%, 53%
HSV	325°, 95%, 100%
XYZ	47.2117, 23.8809, 32.6922
YIQ	101.4320, 98.9710, 95.1550

Conversions

Conversions Part 2

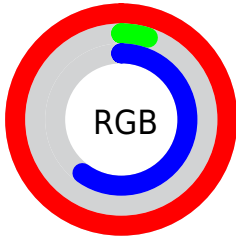
Format	Color
R_{YB}	255, 13, 154
Decimal	16715162
CIE _{Lab}	55.97, 85.77, -9.84
CIE _{LCh}	56, 86.335, 353.455
Yxy	23.8809, 0.4549, 0.2301
Android (android.graphics.Color)	4294905242 (0xFFFF0D9A)
YUV	101.4320, 25.9160, 134.6791
Hunter-Lab	48.8681, 86.9307, -5.4567

Details

The Yxy color **23.8809, 0.4549, 0.2301** 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 **72.8145, 0.2788, 0.5210**, and the grayscale version is **13.0715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5146, 0.3673, 0.2269**, and **12.1857, 0.4810, 0.2424** is the 20% darker color. If you saturate the color by 10%, you get **23.4104, 0.4647, 0.2334**, and if you desaturate by 10%, it is **25.3907, 0.4354, 0.2270**.

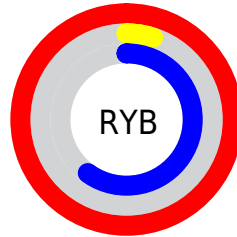
Distribution



Red (100%)

Green (5%)

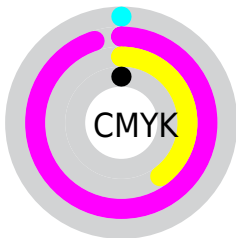
Blue (60%)



Red (100%)

Yellow (5%)

Blue (60%)

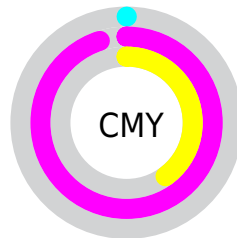


Cyan (0%)

Magenta (95%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (95%)


Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8809, 0.4549, 0.2301 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 23.8809, 0.4549, 0.2301 by changing the saturation by 10% instead.


 23.8809, 0.4549,
0.2301


 23.8809, 0.4549,
0.2301


272.2178, 0.3787,
0.2814


 15.2453, 0.4754,
0.2169


 49.8358, 0.4260,
0.2491

 8.9917, 0.5025,
0.1999


 67.9238, 0.4155,
0.2561

 4.7358, 0.5398,
0.1773


 89.9315, 0.4068,
0.2620

 2.0931, 0.5933,
0.1462

 116.2432, 0.3994,
0.2670

 0.6607, 0.6762,
0.1000

 147.2433, 0.3931,
0.2714

 0.0000, 0.9070,
0.0000

183.3161, 0.3876,

 0.0000, 1.0000,

0.2752

0.0000

224.8462, 0.3829,
0.2785

■ 0.0000, 0.0000,
0.0000

■ 23.8809, 0.4549,
0.2301

■ 23.8809, 0.4549,
0.2301

■ 23.4104, 0.4647,
0.2334

■ 25.3907, 0.4354,
0.2270

■ 28.0506, 0.4156,
0.2293

■ 32.0577, 0.3963,
0.2365

■ 37.5711, 0.3783,
0.2475

■ 44.7276, 0.3620,
0.2611

■ 53.6484, 0.3477,
0.2762

■ 64.4433, 0.3355,
0.2918

■ 77.2131, 0.3251,
0.3072

■ 92.0512, 0.3164,
0.3221

Harmonies

Analogous

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



23.8809, 0.2991, 0.1718



23.8809, 0.4549, 0.2301



23.8809, 0.5712, 0.3038

Triad

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



23.8809, 0.4549, 0.2301



23.8809, 0.3886, 0.5815



23.8809, 0.0972, 0.1761

Complementary

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



23.8809, 0.4549, 0.2301



72.8145, 0.2788, 0.5210

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.



23.8809, 0.1073, 0.2733



23.8809, 0.4549, 0.2301



23.8809, 0.2674, 0.6011

Square

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



23.8809, 0.4549, 0.2301



23.8809, 0.5030, 0.4819



23.8809, 0.1629, 0.4525



23.8809, 0.1210, 0.1403

Rectangle

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



23.8809, 0.4549, 0.2301



23.8809, 0.5885, 0.3565



23.8809, 0.1629, 0.4525



23.8809, 0.0965, 0.1999

Sweetspot

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



23.8823, 0.4549, 0.2301



60.8211, 0.3391, 0.2868



11.0844, 0.1909, 0.0842



12.0271, 0.3445, 0.2801



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.



23.8823, 0.4549, 0.2301



23.4141, 0.4647, 0.2334



21.6609, 0.6239, 0.3244



18.1645, 0.3203, 0.3152



12.2648, 0.4617, 0.2317



1.2160, 0.4412, 0.2204

Inverse Universe

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



23.8823, 0.4549, 0.2301



23.4141, 0.4647, 0.2334



77.5842, 0.2321, 0.3539



18.1645, 0.3203, 0.3152



12.2648, 0.4617, 0.2317



1.2160, 0.4412, 0.2204

Previews

White Background



This preview shows how the Yxy color 23.8809, 0.4549, 0.2301 looks on a white background.

Color Contrast Check

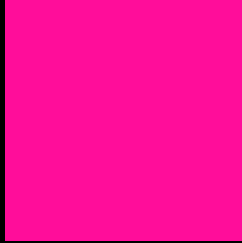
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8809, 0.4549, 0.2301 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 23.8809, 0.4549, 0.2301

Background



This preview shows how black text looks on a background with the Yxy color 23.8809, 0.4549, 0.2301.



This preview shows how white text looks on a background with the Yxy color 23.8809, 0.4549, 0.2301.

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

23.8809, 0.4549, 0.2301

Protanopia

24.3792, 0.2169, 0.2001

Deuteranopia

24.1451, 0.3148, 0.3093



Tritanopia

24.1394, 0.5724, 0.3284

Trichromacy



Original Color

23.8809, 0.4549, 0.2301



Protanomaly

18.1982, 0.2732, 0.1824



Deuteranomaly

19.2764, 0.3675, 0.2483



Tritanomaly

23.3599, 0.5393, 0.2916

Monochromacy



Original Color

23.8809, 0.4549, 0.2301



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

13.0299, 0.3772, 0.2490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8809, 0.4549, 0.2301 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, 13, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 13, 154)  
}
```

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, 13, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 13, 154) }
```

Border

The CSS property to change the border of an element to Yxy 23.8809, 0.4549, 0.2301 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, 13, 154) }
```

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

```
.border{ border-color:rgb(255, 13, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 13, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 13, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 13, 154); box-shadow:4px 4px 4px 4px rgb(255, 13, 154) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8809, 0.4549, 0.2301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 13, 154) }
```

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

```
.background{ background-color: rgb(255, 13,  
154) }
```

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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