

Converting Colors

$Y_{xy}(23.0835, 0.4830, 0.2435)$

Have a look what the booklet for
Yxy(23.0835, 0.4830, 0.2435)
contains.

Yxy(23.0950, 0.4823, 0.2431)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.0950, 0.4823, 0.2431)

Conversions

Conversions Part 1

Format	Color
Hex	FF008A
RGB	255, 0, 138
RGB Percent	100%, 0%, 54%
CMY	0.0001, 0.9987, 0.4588
CMYK	0.00, 1.00, 0.46, 0.00
HSL	328°, 100%, 50%
HSV	328°, 100%, 100%
XYZ	45.8195, 23.0950, 26.0876
YIQ	91.9770, 107.6820, 96.9780

Conversions

Conversions Part 2

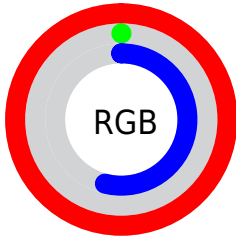
Format	Color
RYB	255, 0, 138
Decimal	16711818
CIELab	55.17, 85.28, -1.51
CIELCh	55, 85.295, 358.984
Yxy	23.0950, 0.4823, 0.2431
Android (android.graphics.Color)	4294901898 (0xFFFF008A)
YUV	91.9770, 22.6893, 142.9712
Hunter-Lab	48.0573, 86.0880, 1.4549

Details

The Yxy color **23.0950, 0.4823, 0.2431** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **72.7945, 0.2771, 0.5174**, and the grayscale version is **10.6685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1359, 0.3879, 0.2399**, and **11.9110, 0.5142, 0.2606** is the 20% darker color. If you saturate the color by 10%, you get **23.0851, 0.4826, 0.2432**, and if you desaturate by 10%, it is **24.1779, 0.4608, 0.2366**.

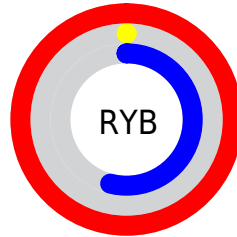
Distribution



Red (100%)

Green (0%)

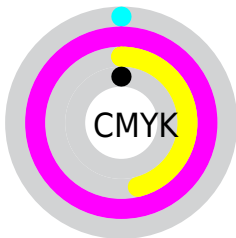
Blue (54%)



Red (100%)

Yellow (0%)

Blue (54%)

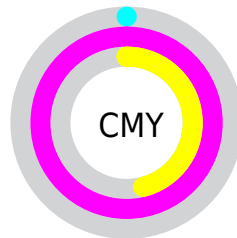


Cyan (0%)

Magenta (100%)

Yellow (46%)

Black (0%)



Cyan (0%)


Magenta (100%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.0950, 0.4823, 0.2431 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 23.0950, 0.4823, 0.2431 by changing the saturation by 10% instead.


 23.0950, 0.4823,
0.2431


 23.0950, 0.4823,
0.2431


268.2126, 0.3897,
0.2897


 14.6637, 0.5077,
0.2304


 48.5493, 0.4469,
0.2608

 8.5837, 0.5415,
0.2137


 66.3410, 0.4341,
0.2673

 4.4706, 0.5882,
0.1907

 88.0217, 0.4235,
0.2726

 1.9402, 0.6554,
0.1578

 113.9756, 0.4146,
0.2771

 0.5724, 0.7627,
0.1044

 144.5873, 0.4070,
0.2809

 0.0000, 1.0000,
0.0000

180.2411, 0.4004,

 0.0000, 0.0000,

0.2843

0.0000

221.3214, 0.3947,
0.2871

■ 23.0950, 0.4823,
0.2431

■ 23.0950, 0.4823,
0.2431

■ 23.0851, 0.4826,
0.2432

■ 24.1779, 0.4608,
0.2366

■ 26.2378, 0.4384,
0.2352

■ 29.5582, 0.4161,
0.2392

■ 34.3143, 0.3950,
0.2475

■ 40.6532, 0.3757,
0.2591

■ 48.7036, 0.3587,
0.2726

■ 58.5809, 0.3441,
0.2870

■ 70.3903, 0.3316,
0.3016

■ 84.2291, 0.3213,
0.3157

Harmonies

Analogous

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



23.0950, 0.3262, 0.1807



23.0950, 0.4823, 0.2431



23.0950, 0.5809, 0.3181

Triad

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



23.0950, 0.4823, 0.2431



23.0950, 0.3662, 0.5948



23.0950, 0.0993, 0.1661

Complementary

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



23.0950, 0.4823, 0.2431



72.7945, 0.2771, 0.5174

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.



23.0950, 0.1026, 0.2492



23.0950, 0.4823, 0.2431



23.0950, 0.2459, 0.5855

Square

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



23.0950, 0.4823, 0.2431



23.0950, 0.4837, 0.5014



23.0950, 0.1486, 0.4155



23.0950, 0.1294, 0.1381

Rectangle

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



23.0950, 0.4823, 0.2431



23.0950, 0.5845, 0.3719



23.0950, 0.1486, 0.4155



23.0950, 0.0966, 0.1860

Sweetspot

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



23.0964, 0.4823, 0.2431



58.4601, 0.3442, 0.2868



10.8640, 0.1912, 0.0827



11.5742, 0.3501, 0.2807



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.



23.0964, 0.4823, 0.2431



23.0912, 0.4826, 0.2432



21.2906, 0.6363, 0.3280



18.1514, 0.3209, 0.3162



12.0962, 0.4792, 0.2413



1.1998, 0.4561, 0.2286

Inverse Universe

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



23.0964, 0.4823, 0.2431



23.0912, 0.4826, 0.2432



77.9284, 0.2290, 0.3444



18.1514, 0.3209, 0.3162



12.0962, 0.4792, 0.2413



1.1998, 0.4561, 0.2286

Previews

White Background



This preview shows how the Yxy color 23.0950, 0.4823, 0.2431 looks on a white background.

Color Contrast Check

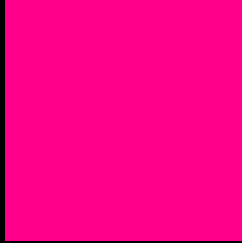
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0950, 0.4823, 0.2431 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 23.0950, 0.4823, 0.2431

Background



This preview shows how black text looks on a background with the Yxy color 23.0950, 0.4823, 0.2431.



This preview shows how white text looks on a background with the Yxy color 23.0950, 0.4823, 0.2431.

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

23.0950, 0.4823, 0.2431

Protanopia

23.7356, 0.2356, 0.2239

Deuteranopia

23.6224, 0.3388, 0.3324



Tritanopia

23.5174, 0.5868, 0.3298

Trichromacy



Original Color

23.0950, 0.4823, 0.2431



Protanomaly

17.1474, 0.3010, 0.1975



Deuteranomaly

18.3646, 0.3992, 0.2632



Tritanomaly

22.5534, 0.5603, 0.2981

Monochromacy



Original Color

23.0950, 0.4823, 0.2431



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.8114, 0.3923, 0.2482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0950, 0.4823, 0.2431 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, 0, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 138)  
}
```

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, 0, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 138) }
```

Border

The CSS property to change the border of an element to Yxy 23.0950, 0.4823, 0.2431 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, 0, 138) }
```

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

```
.border{ border-color:rgb(255, 0, 138) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0950, 0.4823, 0.2431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 138) }
```

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

```
.background{ background-color: rgb(255, 0,  
138) }
```

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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