

Converting Colors

Yxy(23.1211, 0.4808, 0.2422)

Have a look what the booklet for
Yxy(23.1211, 0.4808, 0.2422)
contains.

Yxy(23.1241, 0.4807, 0.2422)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.1241, 0.4807, 0.2422)

Conversions

Conversions Part 1

Format	Color
Hex	FF008B
RGB	255, 0, 139
RGB Percent	100%, 0%, 55%
CMY	0.0000, 0.9992, 0.4550
CMYK	0.00, 1.00, 0.46, 0.00
HSL	327°, 100%, 50%
HSV	327°, 100%, 100%
XYZ	45.8949, 23.1241, 26.4562
YIQ	92.0910, 107.3610, 97.2890

Conversions

Conversions Part 2

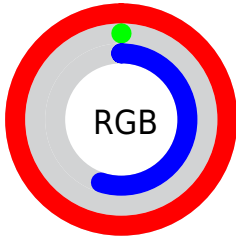
Format	Color
RYB	255, 0, 139
Decimal	16711819
CIELab	55.20, 85.37, -2.04
CIElCh	55, 85.392, 358.629
Yxy	23.1241, 0.4807, 0.2422
Android (android.graphics.Color)	4294901899 (0xFFFF008B)
YUV	92.0910, 23.1261, 142.8712
Hunter-Lab	48.0875, 86.2080, 1.0418

Details

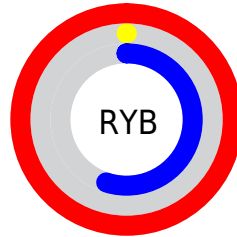
The Yxy color **23.1241, 0.4807, 0.2422** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **72.7806, 0.2774, 0.5188**, and the grayscale version is **10.6803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1801, 0.3867, 0.2389**, and **11.9277, 0.5120, 0.2594** is the 20% darker color. If you saturate the color by 10%, you get **23.1180, 0.4809, 0.2423**, and if you desaturate by 10%, it is **24.2046, 0.4594, 0.2358**.

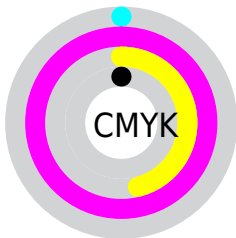
Distribution



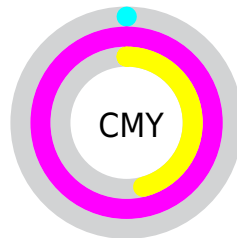
- Red (100%)
- Green (0%)
- Blue (55%)



- Red (100%)
- Yellow (0%)
- Blue (55%)



- Cyan (0%)
- Magenta (100%)
- Yellow (46%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1241, 0.4807, 0.2422 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 23.1241, 0.4807, 0.2422 by changing the saturation by 10% instead.


 23.1241, 0.4807,
0.2422


 23.1241, 0.4807,
0.2422


268.3618, 0.3891,
0.2891


 14.6852, 0.5058,
0.2295


 48.5970, 0.4457,
0.2600


 8.5987, 0.5392,
0.2127


 66.3998, 0.4330,
0.2665


 4.4804, 0.5854,
0.1897

 88.0926, 0.4225,
0.2719

 1.9458, 0.6519,
0.1570

 114.0600, 0.4137,
0.2764

 0.5757, 0.7573,
0.1038

 144.6861, 0.4062,
0.2803

 0.0000, 1.0000,
0.0000

180.3556, 0.3997,

 0.0000, 0.0000,

0.2836

0.0000

221.4526, 0.3940,
0.2866

■ 23.1241, 0.4807,
0.2422

■ 23.1241, 0.4807,
0.2422

■ 23.1180, 0.4809,
0.2423

■ 24.2046, 0.4594,
0.2358

■ 26.2594, 0.4373,
0.2345

■ 29.5734, 0.4152,
0.2385

■ 34.3221, 0.3943,
0.2469

■ 40.6526, 0.3752,
0.2586

■ 48.6938, 0.3584,
0.2721

■ 58.5610, 0.3439,
0.2867

■ 70.3595, 0.3315,
0.3013

■ 84.1866, 0.3212,
0.3156

Harmonies

Analogous

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



23.1241, 0.3244, 0.1801



23.1241, 0.4807, 0.2422



23.1241, 0.5806, 0.3171

Triad

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



23.1241, 0.4807, 0.2422



23.1241, 0.3676, 0.5942



23.1241, 0.0990, 0.1666

Complementary

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



23.1241, 0.4807, 0.2422



72.7806, 0.2774, 0.5188

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.



23.1241, 0.1028, 0.2506



23.1241, 0.4807, 0.2422



23.1241, 0.2472, 0.5869

Square

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



23.1241, 0.4807, 0.2422



23.1241, 0.4850, 0.5002



23.1241, 0.1494, 0.4179



23.1241, 0.1287, 0.1382

Rectangle

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



23.1241, 0.4807, 0.2422



23.1241, 0.5850, 0.3709



23.1241, 0.1494, 0.4179



23.1241, 0.0965, 0.1867

Sweetspot

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



23.1255, 0.4807, 0.2422



58.4760, 0.3440, 0.2865



10.8595, 0.1911, 0.0827



11.5780, 0.3498, 0.2804



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.



23.1255, 0.4807, 0.2422



23.1203, 0.4809, 0.2423



21.2914, 0.6364, 0.3280



18.1526, 0.3208, 0.3161



12.1114, 0.4775, 0.2404



1.2013, 0.4547, 0.2278

Inverse Universe

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



23.1255, 0.4807, 0.2422



23.1203, 0.4809, 0.2423



77.9399, 0.2290, 0.3444



18.1526, 0.3208, 0.3161



12.1114, 0.4775, 0.2404



1.2013, 0.4547, 0.2278

Previews

White Background



This preview shows how the Yxy color 23.1241, 0.4807, 0.2422 looks on a white background.

Color Contrast Check

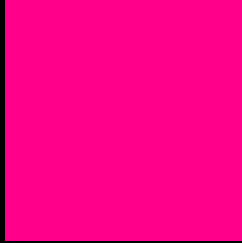
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1241, 0.4807, 0.2422 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 23.1241, 0.4807, 0.2422

Background



This preview shows how black text looks on a background with the Yxy color 23.1241, 0.4807, 0.2422.



This preview shows how white text looks on a background with the Yxy color 23.1241, 0.4807, 0.2422.

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

23.1241, 0.4807, 0.2422

Protanopia

23.7177, 0.2343, 0.2225

Deuteranopia

23.5549, 0.3364, 0.3307



Tritanopia

23.5271, 0.5858, 0.3292

Trichromacy



Original Color

23.1241, 0.4807, 0.2422



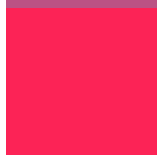
Protanomaly

17.1874, 0.2999, 0.1965



Deuteranomaly

18.2653, 0.3963, 0.2615



Tritanomaly

22.5694, 0.5588, 0.2973

Monochromacy



Original Color

23.1241, 0.4807, 0.2422



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 23.1241, 0.4807, 0.2422 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, 139)` looks like.

```
.text, #text, p{  
  color:rgb(255, 0, 139)  
}
```

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, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 139) }
```

Border

The CSS property to change the border of an element to Yxy 23.1241, 0.4807, 0.2422 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, 139) }
```

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

```
.border{ border-color:rgb(255, 0, 139) }
```

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, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 139);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1241, 0.4807, 0.2422 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, 139) }
```

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

```
.background{ background-color: rgb(255, 0,  
139) }
```

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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