

Converting Colors

Yxy(23.8324, 0.4806, 0.2480)

Have a look what the booklet for
Yxy(23.8324, 0.4806, 0.2480)
contains.

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Color

Yxy(23.8338, 0.4800, 0.2476)

Conversions

Conversions Part 1

Format	Color
Hex	FF1A8A
RGB	255, 26, 138
RGB Percent	100%, 10%, 54%
CMY	0.0000, 0.8983, 0.4587
CMYK	0.00, 0.90, 0.46, 0.00
HSL	331°, 100%, 55%
HSV	331°, 90%, 100%
XYZ	46.2045, 23.8338, 26.2210
YIQ	107.2390, 100.5320, 83.3800

Conversions

Conversions Part 2

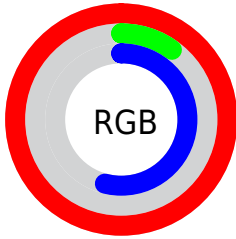
Format	Color
R _Y B	255, 26, 138
Decimal	16718474
CIE Lab	55.92, 83.14, -0.43
CIE LCh	56, 83.141, 359.705
Yxy	23.8338, 0.4800, 0.2476
Android (android.graphics.Color)	4294908554 (0xFFFF1A8A)
YUV	107.2390, 15.1652, 129.5864
Hunter-Lab	48.8199, 83.5025, 2.3294

Details

The Yxy color **23.8338, 0.4800, 0.2476** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **73.7185, 0.2691, 0.4823**, and the grayscale version is **14.6960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3297, 0.3867, 0.2448**, and **11.9110, 0.5142, 0.2606** is the 20% darker color. If you saturate the color by 10%, you get **22.7500, 0.5043, 0.2553**, and if you desaturate by 10%, it is **25.9006, 0.4544, 0.2450**.

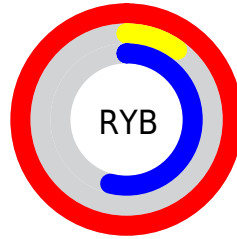
Distribution



Red (100%)

Green (10%)

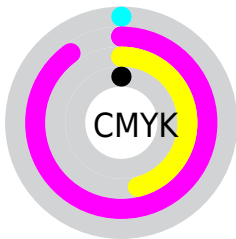
Blue (54%)



Red (100%)

Yellow (10%)

Blue (54%)

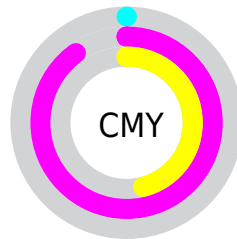


Cyan (0%)

Magenta (90%)

Yellow (46%)

Black (0%)



Cyan (0%)


Magenta (90%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8338, 0.4800, 0.2476 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 23.8338, 0.4800, 0.2476 by changing the saturation by 10% instead.


 23.8338, 0.4800,
0.2476


 23.8338, 0.4800,
0.2476


271.9791, 0.3888,
0.2919


 15.2104, 0.5050,
0.2355


 49.7589, 0.4452,
0.2645


 8.9672, 0.5381,
0.2195


 67.8293, 0.4326,
0.2706


 4.7198, 0.5839,
0.1974

 89.8175, 0.4222,
0.2757

 2.0838, 0.6498,
0.1656

 116.1079, 0.4134,
0.2799

 0.6555, 0.7528,
0.1158

 147.0848, 0.4059,
0.2836

 0.0000, 1.0000,
0.0000

183.1328, 0.3994,

 0.0000, 0.0000,

0.2867

0.0000

224.6361, 0.3938,
0.2895

■ 23.8338, 0.4800,
0.2476

■ 23.8338, 0.4800,
0.2476

■ 22.7500, 0.5043,
0.2553

■ 25.9006, 0.4544,
0.2450


■ 22.7354, 0.5047,
0.2554


■ 29.2396, 0.4289,
0.2479

■ 34.0237, 0.4047,
0.2551

■ 40.4004, 0.3828,
0.2655

■ 48.4988, 0.3637,
0.2778

 58.4345, 0.3473,
0.2909

 70.3131, 0.3335,
0.3042

 84.2323, 0.3220,
0.3170

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



23.8338, 0.3297, 0.1857



23.8338, 0.4800, 0.2476



23.8338, 0.5736, 0.3220

Triad

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



23.8338, 0.4800, 0.2476



23.8338, 0.3647, 0.5886



23.8338, 0.1042, 0.1695

Complementary

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



23.8338, 0.4800, 0.2476



73.7185, 0.2691, 0.4823

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.



23.8338, 0.1071, 0.2498



23.8338, 0.4800, 0.2476



23.8338, 0.2469, 0.5725

Square

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



23.8338, 0.4800, 0.2476



23.8338, 0.4788, 0.5017



23.8338, 0.1520, 0.4081



23.8338, 0.1348, 0.1424

Rectangle

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



23.8338, 0.4800, 0.2476



23.8338, 0.5768, 0.3755



23.8338, 0.1520, 0.4081



23.8338, 0.1013, 0.1888

Sweetspot

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



23.8311, 0.4800, 0.2476



61.6001, 0.3431, 0.2947



13.5709, 0.2115, 0.0979



12.3730, 0.3482, 0.2901



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.



23.8311, 0.4800, 0.2476



22.7354, 0.5047, 0.2554



22.0695, 0.6248, 0.3299



18.1353, 0.3217, 0.3174



11.9097, 0.5009, 0.2533



1.1816, 0.4749, 0.2390

Inverse Universe

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



23.8311, 0.4800, 0.2476



22.7354, 0.5047, 0.2554



78.9586, 0.2258, 0.3287



18.1353, 0.3217, 0.3174



11.9097, 0.5009, 0.2533



1.1816, 0.4749, 0.2390

Previews

White Background



This preview shows how the Yxy color 23.8338, 0.4800, 0.2476 looks on a white background.

Color Contrast Check

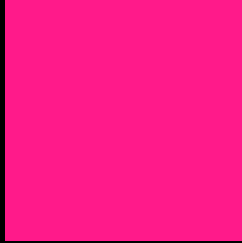
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8338, 0.4800, 0.2476 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 23.8338, 0.4800, 0.2476

Background



This preview shows how black text looks on a background with the Yxy color 23.8338, 0.4800, 0.2476.



This preview shows how white text looks on a background with the Yxy color 23.8338, 0.4800, 0.2476.

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

23.8338, 0.4800, 0.2476

Protanopia

24.3380, 0.2404, 0.2313

Deuteranopia

23.9816, 0.3397, 0.3340



Tritanopia

23.9634, 0.5791, 0.3291

Trichromacy



Original Color

23.8338, 0.4800, 0.2476



Protanomaly

19.0999, 0.3057, 0.2142



Deuteranomaly

19.9844, 0.3955, 0.2758



Tritanomaly

23.4331, 0.5514, 0.3010

Monochromacy



Original Color

23.8338, 0.4800, 0.2476



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

14.3339, 0.3843, 0.2662

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8338, 0.4800, 0.2476 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, 26, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 26, 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, 26, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 26, 138) }
```

Border

The CSS property to change the border of an element to Yxy 23.8338, 0.4800, 0.2476 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, 26, 138) }
```

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

```
.border{ border-color:rgb(255, 26, 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, 26, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 26, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 26, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 26,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8338, 0.4800, 0.2476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 26, 138) }
```

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

```
.background{ background-color: rgb(255, 26,  
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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