

Converting Colors

$Y_{xy}(24.3288, 0.4232, 0.2105)$

Have a look what the booklet for
Yxy(24.3288, 0.4232, 0.2105)
contains.

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Color

Yxy(24.3160, 0.4237, 0.2108)

Conversions

Conversions Part 1

Format	Color
Hex	FF00AE
RGB	255, 0, 174
RGB Percent	100%, 0%, 68%
CMY	0.0001, 0.9990, 0.3177
CMYK	0.00, 1.00, 0.32, 0.00
HSL	319°, 100%, 50%
HSV	319°, 100%, 100%
XYZ	48.8742, 24.3160, 42.1608
YIQ	96.0810, 96.1260, 108.1740

Conversions

Conversions Part 2

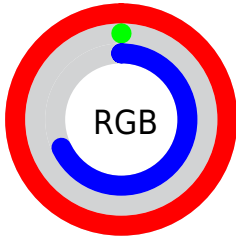
Format	Color
RYB	255, 0, 174
Decimal	16711854
CIELab	56.40, 88.49, -20.94
CIELCh	56, 90.938, 346.686
Yxy	24.3160, 0.4237, 0.2108
Android (android.graphics.Color)	4294901934 (0xFFFF00AE)
YUV	96.0810, 38.4141, 139.3720
Hunter-Lab	49.3113, 90.6234, -16.1747

Details

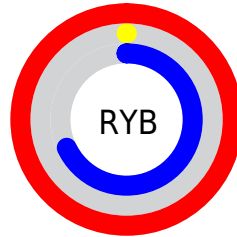
The Yxy color **24.3160, 0.4237, 0.2108** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **72.1061, 0.2884, 0.5584**, and the grayscale version is **11.6403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2805, 0.3436, 0.2071**, and **12.7179, 0.4435, 0.2217** is the 20% darker color. If you saturate the color by 10%, you get **24.3091, 0.4238, 0.2108**, and if you desaturate by 10%, it is **25.3652, 0.4103, 0.2079**.

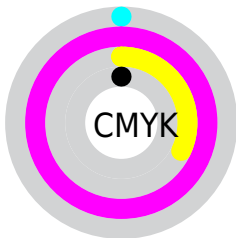
Distribution



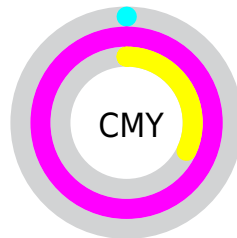
- Red (100%)
- Green (0%)
- Blue (68%)



- Red (100%)
- Yellow (0%)
- Blue (68%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3160, 0.4237, 0.2108 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 24.3160, 0.4237, 0.2108 by changing the saturation by 10% instead.


 24.3160, 0.4237,
0.2108

 24.3160, 0.4237,
0.2108


274.4142, 0.3661,
0.2695

 15.5682, 0.4385,
0.1966


 50.5454, 0.4024,
0.2319


 9.2191, 0.4578,
0.1787


 68.7957, 0.3945,
0.2399


 4.8844, 0.4836,
0.1556


 90.9824, 0.3879,
0.2467

 2.1796, 0.5197,
0.1254

 117.4898, 0.3822,
0.2525

 0.7088, 0.5734,
0.0843

 148.7023, 0.3774,
0.2576

 0.0000, 0.6782,
0.0000

185.0042, 0.3731,

 0.0000, 1.0000,

0.2621

0.0000

226.7801, 0.3694,
0.2660

■ 0.0000, 0.0000,
0.0000

■ 24.3160, 0.4237,
0.2108

■ 24.3160, 0.4237,
0.2108

■ 24.3091, 0.4238,
0.2108

■ 25.3652, 0.4103,
0.2079

■ 27.3716, 0.3965,
0.2097

■ 30.6190, 0.3826,
0.2166

■ 35.2819, 0.3692,
0.2277

■ 41.5070, 0.3566,
0.2422

■ 49.4222, 0.3452,
0.2588

■ 59.1426, 0.3352,
0.2765

■ 70.7727, 0.3264,
0.2945

■ 84.4091, 0.3190,
0.3122

Harmonies

Analogous

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



24.3160, 0.2659, 0.1571



24.3160, 0.4237, 0.2108



24.3160, 0.5639, 0.2835

Triad

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



24.3160, 0.4237, 0.2108



24.3160, 0.4154, 0.5680



24.3160, 0.0904, 0.1856

Complementary

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



24.3160, 0.4237, 0.2108



72.1061, 0.2884, 0.5584

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.



24.3160, 0.1085, 0.3048



24.3160, 0.4237, 0.2108



24.3160, 0.2904, 0.6245

Square

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



24.3160, 0.4237, 0.2108



24.3160, 0.5298, 0.4587



24.3160, 0.1768, 0.5058



24.3160, 0.1071, 0.1388

Rectangle

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



24.3160, 0.4237, 0.2108



24.3160, 0.5987, 0.3355



24.3160, 0.1768, 0.5058



24.3160, 0.0921, 0.2152

Sweetspot

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



24.3174, 0.4237, 0.2108



59.0516, 0.3353, 0.2764



8.9693, 0.1707, 0.0714



11.7151, 0.3394, 0.2688



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.



24.3174, 0.4237, 0.2108



24.3134, 0.4238, 0.2108



21.4662, 0.6154, 0.3164



18.1963, 0.3187, 0.3129



12.7327, 0.4217, 0.2097



1.2596, 0.4073, 0.2017

Inverse Universe

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



24.3174, 0.4237, 0.2108



24.3134, 0.4238, 0.2108



76.0764, 0.2416, 0.3895



18.1963, 0.3187, 0.3129



12.7327, 0.4217, 0.2097



1.2596, 0.4073, 0.2017

Previews

White Background



This preview shows how the Yxy color 24.3160, 0.4237, 0.2108 looks on a white background.

Color Contrast Check

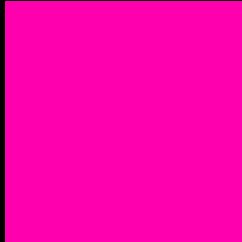
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3160, 0.4237, 0.2108 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 24.3160, 0.4237, 0.2108

Background



This preview shows how black text looks on a background with the Yxy color 24.3160, 0.4237, 0.2108.



This preview shows how white text looks on a background with the Yxy color 24.3160, 0.4237, 0.2108.

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

24.3160, 0.4237, 0.2108

Protanopia

25.2578, 0.1961, 0.1729

Deuteranopia

24.7021, 0.2881, 0.2822



Tritanopia

24.6806, 0.5574, 0.3275

Trichromacy



Original Color

24.3160, 0.4237, 0.2108



Protanomaly

17.6467, 0.2401, 0.1524



Deuteranomaly

18.9535, 0.3362, 0.2201



Tritanomaly

23.4147, 0.5199, 0.2802

Monochromacy



Original Color

24.3160, 0.4237, 0.2108



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

11.6627, 0.3680, 0.2303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3160, 0.4237, 0.2108 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 174)  
}
```

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, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 174) }
```

Border

The CSS property to change the border of an element to Yxy 24.3160, 0.4237, 0.2108 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, 174) }
```

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

```
.border{ border-color:rgb(255, 0, 174) }
```

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, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3160, 0.4237, 0.2108 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, 174) }
```

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

```
.background{ background-color: rgb(255, 0,  
174) }
```

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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