

# Converting Colors

Yxy(23.2643, 0.4229, 0.2104)

Have a look what the booklet for  
Yxy(23.2643, 0.4229, 0.2104)  
contains.

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**Color**

**Yxy(23.2860, 0.4229, 0.2105)**

# Conversions

Conversions Part 1	
Format	Color
Hex	FA01AB
RGB	250, 1, 171
RGB Percent	98%, 0%, 67%
CMY	0.0197, 0.9954, 0.3294
CMYK	0.00, 1.00, 0.32, 0.02
HSL	319°, 99%, 49%
HSV	319°, 100%, 98%
XYZ	46.7822, 23.2860, 40.5541
YIQ	94.8310, 93.8340, 105.6580

# Conversions

## Conversions Part 2

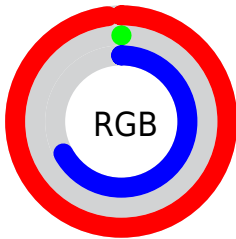
Format	Color
<a href="#">RYB</a>	<a href="#">250, 1, 171</a>
Decimal	<a href="#">16384427</a>
CIELab	<a href="#">55.37, 87.17, -20.85</a>
CIELCh	<a href="#">55, 89.625, 346.545</a>
Yxy	<a href="#">23.2860, 0.4229, 0.2105</a>
Android (android.graphics.Color)	<a href="#">4294574507</a> (0xFFFA01AB)
YUV	<a href="#">94.8310, 37.5513, 136.0832</a>
Hunter-Lab	<a href="#">48.2556, 88.6026, -16.0486</a>

# Details

The Yxy color **23.2860, 0.4229, 0.2105** 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 **68.9529, 0.2883, 0.5576**, and the grayscale version is **11.3175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0583, 0.3477, 0.2103**, and **12.0233, 0.4408, 0.2202** is the 20% darker color. If you saturate the color by 10%, you get **23.2476, 0.4235, 0.2107**, and if you desaturate by 10%, it is **24.3201, 0.4095, 0.2078**.

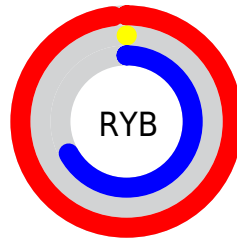
# Distribution



Red (98%)

Green (0%)

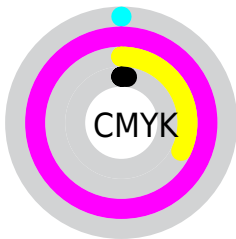
Blue (67%)



Red (98%)

Yellow (0%)

Blue (67%)

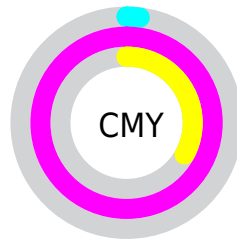


Cyan (0%)

Magenta (100%)

Yellow (32%)

Black (2%)



Cyan (2%)

Magenta (100%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2860, 0.4229, 0.2105 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 23.2860, 0.4229, 0.2105 by changing the saturation by 10% instead.





 23.2860, 0.4229,  
0.2105


 23.2860, 0.4229,  
0.2105


269.1906, 0.3654,  
0.2698


 14.8048, 0.4379,  
0.1960


 48.8625, 0.4015,  
0.2319


 8.6825, 0.4573,  
0.1777


 66.7266, 0.3936,  
0.2400

 4.5347, 0.4835,  
0.1541


 88.4872, 0.3870,  
0.2468

 1.9769, 0.5204,  
0.1231

 114.5286, 0.3814,  
0.2527

 0.5940, 0.5773,  
0.0783

 145.2353, 0.3765,  
0.2578

 0.0000, 0.6809,  
0.0000


180.9916, 0.3723,

 0.0000, 1.0000,

0.2623


0.0000


222.1819, 0.3686,  
0.2663

 0.0000, 0.0000,  
0.0000


 23.2860, 0.4229,  
0.2105


 23.2860, 0.4229,  
0.2105


 23.2476, 0.4235,  
0.2107

 24.3201, 0.4095,  
0.2078


 26.2866, 0.3957,  
0.2099

 29.4454, 0.3819,  
0.2169

 33.9614, 0.3685,  
0.2282

 39.9733, 0.3561,  
0.2428

 47.6027, 0.3448,  
0.2595

 56.9585, 0.3348,  
0.2772

 68.1400, 0.3261,  
0.2952

 81.2393, 0.3187,  
0.3129

# Harmonies

## Analogous

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



23.2860, 0.2652, 0.1569



23.2860, 0.4229, 0.2105



23.2860, 0.5634, 0.2831

# Triad

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



23.2860, 0.4229, 0.2105



23.2860, 0.4161, 0.5677



23.2860, 0.0904, 0.1860

# Complementary

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



23.2860, 0.4229, 0.2105



68.9529, 0.2883, 0.5576

# 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.



23.2860, 0.1087, 0.3056



23.2860, 0.4229, 0.2105



23.2860, 0.2910, 0.6245

# Square

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



23.2860, 0.4229, 0.2105



23.2860, 0.5303, 0.4583



23.2860, 0.1773, 0.5067



23.2860, 0.1070, 0.1389



# Rectangle

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



23.2860, 0.4229, 0.2105



23.2860, 0.5986, 0.3351



23.2860, 0.1773, 0.5067



23.2860, 0.0921, 0.2157

# Sweetspot

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



23.2873, 0.4229, 0.2105



59.0534, 0.3352, 0.2763



8.6308, 0.1711, 0.0718



11.7156, 0.3393, 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.



23.2873, 0.4229, 0.2105



24.3177, 0.4237, 0.2108



20.5508, 0.6143, 0.3161



17.4253, 0.3187, 0.3129



12.3599, 0.4214, 0.2095



1.1640, 0.4064, 0.2012



# Inverse Universe

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



23.2873, 0.4229, 0.2105



24.3177, 0.4237, 0.2108



72.7488, 0.2415, 0.3892



17.4253, 0.3187, 0.3129



12.3599, 0.4214, 0.2095



1.1640, 0.4064, 0.2012



# Previews

## White Background



This preview shows how the Yxy color 23.2860, 0.4229, 0.2105 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

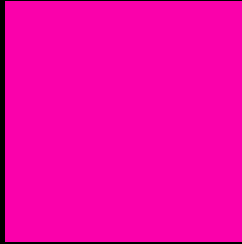
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 23.2860, 0.4229, 0.2105 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

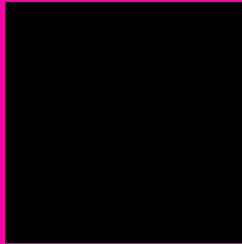
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 23.2860, 0.4229, 0.2105**

## Background



This preview shows how black text looks on a background with the Yxy color 23.2860, 0.4229, 0.2105.



This preview shows how white text looks on a background with the Yxy color 23.2860, 0.4229, 0.2105.

# 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

23.2860, 0.4229, 0.2105

### Protanopia

24.1166, 0.1956, 0.1718

### Deuteranopia

23.8390, 0.2868, 0.2814



## Tritanopia

23.6311, 0.5574, 0.3282

# Trichromacy



## Original Color

23.2860, 0.4229, 0.2105



## Protanomaly

16.8590, 0.2397, 0.1519



## Deuteranomaly

18.2511, 0.3338, 0.2193



## Tritanomaly

22.4557, 0.5191, 0.2805

# Monochromacy



## Original Color

23.2860, 0.4229, 0.2105



## Achromatopsia

11.4435, 0.3127, 0.3290



## Achromatomaly

11.3469, 0.3650, 0.2300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 23.2860, 0.4229, 0.2105 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(250, 1, 171) looks like.

```
.text, #text, p{  
    color:rgb(250, 1, 171)  
}
```

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(250, 1, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 1, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 23.2860, 0.4229, 0.2105 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(250, 1, 171) }
```

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

```
.border{ border-color:rgb(250, 1, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 1, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 1, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 1, 171);  
box-shadow:4px 4px 4px 4px rgb(250, 1,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 23.2860, 0.4229, 0.2105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 1, 171) }
```

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

```
.background{ background-color: rgb(250, 1,  
171) }
```

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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