

# Converting Colors

$Yxy(22.9984, 0.4334, 0.2161)$

Have a look what the booklet for  
Yxy(22.9984, 0.4334, 0.2161)  
contains.

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**Color**

**Yxy(23.0043, 0.4341, 0.2165)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FA00A4
RGB	250, 0, 164
RGB Percent	98%, 0%, 64%
CMY	0.0196, 0.9998, 0.3569
CMYK	0.00, 1.00, 0.34, 0.02
HSL	321°, 100%, 49%
HSV	321°, 100%, 98%
XYZ	46.1255, 23.0043, 37.1256
YIQ	93.4460, 96.3560, 104.0040

# Conversions

## Conversions Part 2

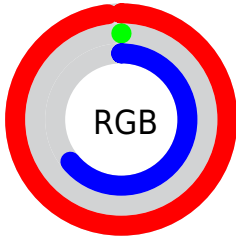
<b>Format</b>	<b>Color</b>
<b>RYB</b>	250, 0, 164
Decimal	16384164
CIELab	55.08, 86.55, -17.18
CIELCh	55, 88.243, 348.775
Yxy	23.0043, 0.4341, 0.2165
Android (android.graphics.Color)	4294574244 (0xFFFA00A4)
YUV	93.4460, 34.7831, 137.2979
Hunter-Lab	47.9628, 87.7273, -12.3195

# Details

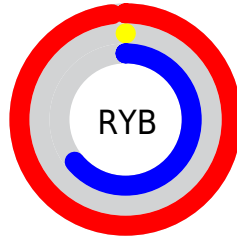
The Yxy color **23.0043, 0.4341, 0.2165** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **69.0470, 0.2866, 0.5516**, and the grayscale version is **10.9618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4888, 0.3554, 0.2153**, and **11.8612, 0.4560, 0.2286** is the 20% darker color. If you saturate the color by 10%, you get **23.0042, 0.4341, 0.2165**, and if you desaturate by 10%, it is **24.0231, 0.4192, 0.2130**.

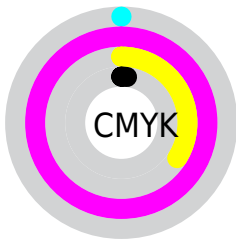
# Distribution



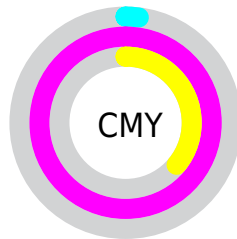
- Red (98%)
- Green (0%)
- Blue (64%)



- Red (98%)
- Yellow (0%)
- Blue (64%)



- Cyan (0%)
- Magenta (100%)
- Yellow (34%)
- Black (2%)




- Cyan (2%)
- Magenta (100%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 23.0043, 0.4341, 0.2165 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 23.0043, 0.4341, 0.2165 by changing the saturation by 10% instead.




 23.0043, 0.4341,  
0.2165


 23.0043, 0.4341,  
0.2165


267.7471, 0.3699,  
0.2735


 14.5967, 0.4511,  
0.2023


 48.4004, 0.4100,  
0.2373

 8.5368, 0.4734,  
0.1842


 66.1576, 0.4012,  
0.2451


 4.4403, 0.5039,  
0.1606


 87.8002, 0.3938,  
0.2517

 1.9228, 0.5473,  
0.1291

 113.7126, 0.3875,  
0.2573

 0.5620, 0.6159,  
0.0815

 144.2790, 0.3822,  
0.2622

 0.0000, 0.7520,  
0.0000

179.8840, 0.3775,


 0.0000, 1.0000,

0.2665

0.0000


220.9119, 0.3735,  
0.2702


 0.0000, 0.0000,  
0.0000


 23.0043, 0.4341,  
0.2165


 23.0043, 0.4341,  
0.2165


 23.0042, 0.4341,  
0.2165

 24.0231, 0.4192,  
0.2130

 25.9537, 0.4039,  
0.2143

 29.0714, 0.3886,  
0.2206

 33.5428, 0.3738,  
0.2312

 39.5078, 0.3601,  
0.2452

■ 47.0885, 0.3477,  
0.2612

■ 56.3946, 0.3369,  
0.2784

■ 67.5258, 0.3275,  
0.2957

■ 80.5745, 0.3195,  
0.3127

# Harmonies

## Analogous

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



23.0043, 0.2760, 0.1612



23.0043, 0.4341, 0.2165



23.0043, 0.5674, 0.2896

# Triad

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



23.0043, 0.4341, 0.2165



23.0043, 0.4069, 0.5732



23.0043, 0.0920, 0.1820

# Complementary

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



23.0043, 0.4341, 0.2165



69.0470, 0.2866, 0.5516

# 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.



23.0043, 0.1075, 0.2941



23.0043, 0.4341, 0.2165



23.0043, 0.2829, 0.6192

# Square

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



23.0043, 0.4341, 0.2165



23.0043, 0.5219, 0.4662



23.0043, 0.1718, 0.4894



23.0043, 0.1109, 0.1387



# Rectangle

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



23.0043, 0.4341, 0.2165



23.0043, 0.5966, 0.3418



23.0043, 0.1718, 0.4894



23.0043, 0.0929, 0.2097

# Sweetspot

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



23.0056, 0.4341, 0.2165



58.9392, 0.3369, 0.2783



8.7587, 0.1729, 0.0726



11.6882, 0.3413, 0.2710



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.



23.0056, 0.4341, 0.2165



24.0593, 0.4343, 0.2166



20.4907, 0.6191, 0.3184



17.4171, 0.3191, 0.3136



12.2298, 0.4318, 0.2152



1.1526, 0.4151, 0.2060



# Inverse Universe

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



23.0056, 0.4341, 0.2165



24.0593, 0.4343, 0.2166



72.9452, 0.2399, 0.3837



17.4171, 0.3191, 0.3136



12.2298, 0.4318, 0.2152



1.1526, 0.4151, 0.2060



# Previews

## White Background



This preview shows how the Yxy color 23.0043, 0.4341, 0.2165 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

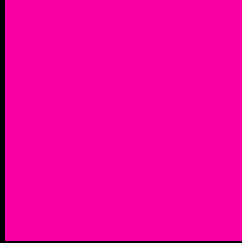
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 23.0043, 0.4341, 0.2165 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 23.0043, 0.4341, 0.2165**

## **Background**



This preview shows how black text looks on a background with the Yxy color 23.0043, 0.4341, 0.2165.



This preview shows how white text looks on a background with the Yxy color 23.0043, 0.4341, 0.2165.

# 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

23.0043, 0.4341, 0.2165

### Protanopia

23.8371, 0.2022, 0.1813

### Deuteranopia

23.5835, 0.2967, 0.2910



## Tritanopia

23.4189, 0.5636, 0.3283

# Trichromacy



## Original Color

23.0043, 0.4341, 0.2165



## Protanomaly

16.8097, 0.2496, 0.1597



## Deuteranomaly

18.0858, 0.3461, 0.2273



## Tritanomaly

22.1380, 0.5281, 0.2838

# Monochromacy



## Original Color

23.0043, 0.4341, 0.2165



## Achromatopsia

10.9462, 0.3127, 0.3290



## Achromatomaly

10.9439, 0.3713, 0.2326

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 23.0043, 0.4341, 0.2165 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, 0, 164)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 164)  
}
```

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, 0, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 23.0043, 0.4341, 0.2165 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, 0, 164) }
```

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

```
.border{ border-color:rgb(250, 0, 164) }
```

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

Here you see how a box with a 4 pixel rgb(250, 0, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 164);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 23.0043, 0.4341, 0.2165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 164) }
```

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

```
.background{ background-color: rgb(250, 0,  
164) }
```

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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