

# Converting Colors

$Y_{xy}(23.2861, 0.4026, 0.2203)$

Have a look what the booklet for  
Yxy(23.2861, 0.4026, 0.2203)  
contains.

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# Color

**Yxy(23.2833, 0.4029, 0.2204)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EA39A9
RGB	234, 57, 169
RGB Percent	92%, 22%, 66%
CMY	0.0823, 0.7766, 0.3372
CMYK	0.00, 0.76, 0.28, 0.08
HSL	322°, 81%, 57%
HSV	322°, 76%, 92%
XYZ	42.5628, 23.2833, 39.7950
YIQ	122.6910, 69.5400, 72.3560

# Conversions

## Conversions Part 2

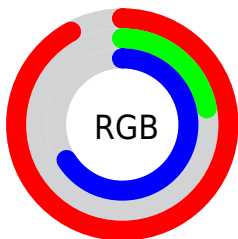
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	234, 57, 169
Decimal	15350185
CIE Lab	55.36, 74.93, -19.95
CIE LCh	55, 77.544, 345.088
Yxy	23.2833, 0.4029, 0.2204
Android (android.graphics.Color)	4293540265 (0xFFEA39A9)
YUV	122.6910, 22.8303, 97.6180
Hunter-Lab	48.2528, 73.0089, -15.1207

# Details

The Yxy color **23.2833, 0.4029, 0.2204** is a light color, and the websafe version is hex **CC3399**. The color can be described as light washed rose. A complement of this color would be **61.1316, 0.2789, 0.4925**, and the grayscale version is **19.6029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0748, 0.3479, 0.2270**, and **10.2830, 0.4246, 0.2113** is the 20% darker color. If you saturate the color by 10%, you get **21.1685, 0.4196, 0.2173**, and if you desaturate by 10%, it is **26.4866, 0.3865, 0.2284**.

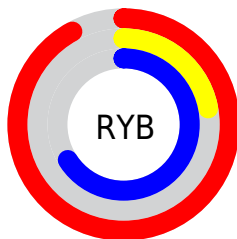
# Distribution



Red (92%)

Green (22%)

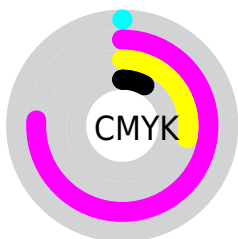
Blue (66%)



Red (92%)

Yellow (22%)

Blue (66%)

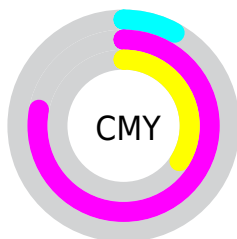


Cyan (0%)

Magenta (76%)

Yellow (28%)

Black (8%)



Cyan (8%)

Magenta (78%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2833, 0.4029, 0.2204 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 23.2833, 0.4029, 0.2204 by changing the saturation by 10% instead.





 23.2833, 0.4029,  
0.2204


 23.2833, 0.4029,  
0.2204

269.1768, 0.3557,  
0.2753


 14.8028, 0.4153,  
0.2067


 48.8581, 0.3853,  
0.2404


 8.6811, 0.4315,  
0.1893

 66.7212, 0.3788,  
0.2479


 4.5338, 0.4534,  
0.1665


 88.4806, 0.3734,  
0.2542

 1.9764, 0.4847,  
0.1358

 114.5208, 0.3688,  
0.2597

 0.5937, 0.5344,  
0.0896

 145.2261, 0.3648,  
0.2644

 0.0000, 0.6337,  
0.0000

180.9810, 0.3614,


 0.0000, 1.0000,

0.2685


0.0000


222.1697, 0.3584,  
0.2721

 0.0000, 0.0000,  
0.0000


 23.2833, 0.4029,  
0.2204


 23.2833, 0.4029,  
0.2204


 21.1685, 0.4196,  
0.2173

 26.4866, 0.3865,  
0.2284


 19.9783, 0.4359,  
0.2194


 30.9049, 0.3711,  
0.2402


 19.6375, 0.4429,  
0.2214


 36.6510, 0.3570,  
0.2547


 43.8239, 0.3445,  
0.2708

 52.5128, 0.3337,  
0.2875

 62.7999, 0.3244,  
0.3041

 74.7614, 0.3166,  
0.3202

 88.4684, 0.3100,  
0.3355

 95.6913, 0.3048,  
0.3376

# Harmonies

## Analogous

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



23.2833, 0.2664, 0.1712



23.2833, 0.4029, 0.2204



23.2833, 0.5276, 0.2887

# Triad

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



23.2833, 0.4029, 0.2204



23.2833, 0.4212, 0.5433



23.2833, 0.1095, 0.2074

# Complementary

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



23.2833, 0.4029, 0.2204



61.1316, 0.2789, 0.4925

# 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.



23.2833, 0.1316, 0.3196



23.2833, 0.4029, 0.2204



23.2833, 0.3076, 0.5838

# Square

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



23.2833, 0.4029, 0.2204



23.2833, 0.5187, 0.4519



23.2833, 0.2005, 0.4874



23.2833, 0.1231, 0.1584



# Rectangle

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



23.2833, 0.4029, 0.2204



23.2833, 0.5654, 0.3389



23.2833, 0.2005, 0.4874



23.2833, 0.1124, 0.2365

# Sweetspot

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



23.2845, 0.4029, 0.2204



66.8078, 0.3312, 0.2918



12.9944, 0.2090, 0.1116



13.3941, 0.3348, 0.2857



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.



23.2845, 0.4029, 0.2204



24.7656, 0.4291, 0.2178



21.0071, 0.5447, 0.3103



15.2145, 0.3194, 0.3142



11.0579, 0.4405, 0.2200



0.8867, 0.4195, 0.2085



# Inverse Universe

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



23.2845, 0.4029, 0.2204



24.7656, 0.4291, 0.2178



64.4010, 0.2396, 0.3605



15.2145, 0.3194, 0.3142



11.0579, 0.4405, 0.2200



0.8867, 0.4195, 0.2085



# Previews

## White Background



This preview shows how the Yxy color 23.2833, 0.4029, 0.2204 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

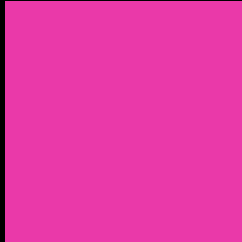
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 23.2833, 0.4029, 0.2204 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

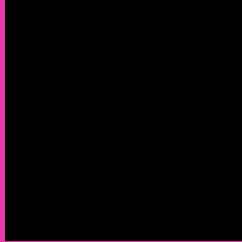
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 23.2833, 0.4029, 0.2204**

## Background



This preview shows how black text looks on a background with the Yxy color 23.2833, 0.4029, 0.2204.



This preview shows how white text looks on a background with the Yxy color 23.2833, 0.4029, 0.2204.

# 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

23.2833, 0.4029, 0.2204

### Protanopia

23.6727, 0.2114, 0.1931

### Deuteranopia

23.4550, 0.2866, 0.2811



## Tritanopia

23.3686, 0.5129, 0.3256

# Trichromacy



## Original Color

23.2833, 0.4029, 0.2204



## Protanomaly

20.0320, 0.2570, 0.1885



## Deuteranomaly

20.8909, 0.3255, 0.2425



## Tritanomaly

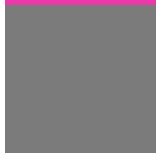
23.0049, 0.4754, 0.2856

# Monochromacy



## Original Color

23.2833, 0.4029, 0.2204



## Achromatopsia

19.8069, 0.3127, 0.3290



## Achromatomaly

18.6037, 0.3470, 0.2657

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 23.2833, 0.4029, 0.2204 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(234, 57, 169)` looks like.

```
.text, #text, p{  
    color:rgb(234, 57, 169)  
}
```

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(234, 57, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 57, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 23.2833, 0.4029, 0.2204 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(234, 57, 169) }
```

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

```
.border{ border-color:rgb(234, 57, 169) }
```

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

Here you see how a box with a 4 pixel rgb(234, 57, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 57, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 57, 169);  
box-shadow:4px 4px 4px 4px rgb(234, 57,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 23.2833, 0.4029, 0.2204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 57, 169) }
```

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

```
.background{ background-color: rgb(234, 57,  
169) }
```

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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