

# Converting Colors

$Y_{xy}(21.3422, 0.4238, 0.2389)$

Have a look what the booklet for  
Yxy(21.3422, 0.4238, 0.2389)  
contains.

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**Color**

**Yxy(21.3229, 0.4232, 0.2390)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E03D94
RGB	224, 61, 148
RGB Percent	88%, 24%, 58%
CMY	0.1215, 0.7608, 0.4197
CMYK	0.00, 0.73, 0.34, 0.12
HSL	328°, 72%, 56%
HSV	328°, 73%, 88%
XYZ	37.7567, 21.3229, 30.1376
YIQ	119.6550, 69.2210, 61.6130

# Conversions

## Conversions Part 2

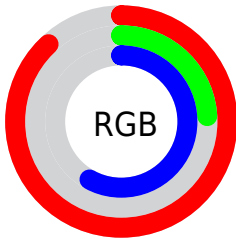
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	224, 61, 148
Decimal	14695828
CIE <sub>Lab</sub>	53.30, 68.84, -10.86
CIE <sub>LCh</sub>	53, 69.694, 351.039
Yxy	21.3229, 0.4232, 0.2390
Android (android.graphics.Color)	4292885908 (0xFFE03D94)
YUV	119.6550, 13.9741, 91.5106
Hunter-Lab	46.1767, 65.1424, -6.3723

# Details

The Yxy color **21.3229, 0.4232, 0.2390** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle washed rose. A complement of this color would be **56.1170, 0.2714, 0.4601**, and the grayscale version is **18.6042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1990, 0.3711, 0.2476**, and **8.7556, 0.4561, 0.2286** is the 20% darker color. If you saturate the color by 10%, you get **19.0956, 0.4459, 0.2364**, and if you desaturate by 10%, it is **24.5803, 0.4014, 0.2462**.

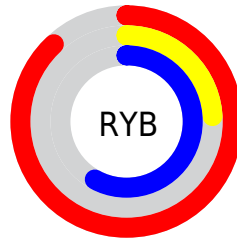
# Distribution



Red (88%)

Green (24%)

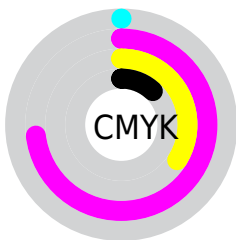
Blue (58%)



Red (88%)

Yellow (24%)

Blue (58%)

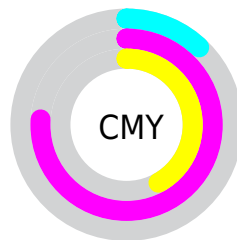


Cyan (0%)

Magenta (73%)

Yellow (34%)

Black (12%)



Cyan (12%)

Magenta (76%)


Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 21.3229, 0.4232, 0.2390 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 21.3229, 0.4232, 0.2390 by changing the saturation by 10% instead.





 21.3229, 0.4232,  
0.2390


 21.3229, 0.4232,  
0.2390


258.9896, 0.3628,  
0.2866


 13.3602, 0.4400,  
0.2264


 45.6243, 0.4000,  
0.2569


 7.6771, 0.4627,  
0.2098


 62.7319, 0.3917,  
0.2634

 3.8890, 0.4947,  
0.1871

 83.6565, 0.3848,  
0.2689

 1.6117, 0.5429,  
0.1548

 108.7826, 0.3790,  
0.2735

 0.3655, 0.6351,  
0.0869

 138.4945, 0.3740,  
0.2775

 0.0000, 1.0000,  
0.0000

173.1768, 0.3698,

 0.0000, 0.0000,

0.2809

0.0000

213.2136, 0.3661,  
0.2839

■ 21.3229, 0.4232,  
0.2390

■ 21.3229, 0.4232,  
0.2390

■ 19.0956, 0.4459,  
0.2364

■ 24.5803, 0.4014,  
0.2462

■ 17.7604, 0.4684,  
0.2392

■ 28.9759, 0.3814,  
0.2569


■ 17.1944, 0.4842,  
0.2441


■ 34.6076, 0.3636,  
0.2697


■ 41.5620, 0.3482,  
0.2837

■ 49.9176, 0.3351,  
0.2980

 59.7469, 0.3241,  
0.3120

 71.1173, 0.3150,  
0.3254

 84.0919, 0.3074,  
0.3380

 93.7809, 0.3011,  
0.3422

# Harmonies

## Analogous

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



21.3229, 0.2931, 0.1870



21.3229, 0.4232, 0.2390



21.3229, 0.5274, 0.3073

# Triad

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



21.3229, 0.4232, 0.2390



21.3229, 0.3986, 0.5452



21.3229, 0.1197, 0.2027

# Complementary

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



21.3229, 0.4232, 0.2390



56.1170, 0.2714, 0.4601

# 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.



21.3229, 0.1346, 0.2958



21.3229, 0.4232, 0.2390



21.3229, 0.2900, 0.5562

# Square

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



21.3229, 0.4232, 0.2390



21.3229, 0.4942, 0.4671



21.3229, 0.1924, 0.4442



21.3229, 0.1391, 0.1636



# Rectangle

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



21.3229, 0.4232, 0.2390



21.3229, 0.5518, 0.3569



21.3229, 0.1924, 0.4442



21.3229, 0.1205, 0.2267

# Sweetspot

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



21.3241, 0.4232, 0.2390



67.7089, 0.3344, 0.2989



13.8169, 0.2259, 0.1248



13.7891, 0.3377, 0.2950



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.



21.3241, 0.4232, 0.2390



24.6080, 0.4569, 0.2371



19.6178, 0.5510, 0.3227



13.8222, 0.3209, 0.3166



10.0305, 0.4810, 0.2423



0.7133, 0.4496, 0.2250



# Inverse Universe

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



21.3241, 0.4232, 0.2390



24.6080, 0.4569, 0.2371



59.2610, 0.2349, 0.3399



13.8222, 0.3209, 0.3166



10.0305, 0.4810, 0.2423



0.7133, 0.4496, 0.2250



# Previews

## White Background



This preview shows how the Yxy color 21.3229, 0.4232, 0.2390 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 21.3229, 0.4232, 0.2390 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

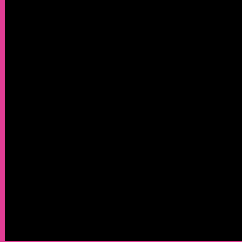
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 21.3229, 0.4232, 0.2390**

## Background



This preview shows how black text looks on a background with the Yxy color 21.3229, 0.4232, 0.2390.



This preview shows how white text looks on a background with the Yxy color 21.3229, 0.4232, 0.2390.

# 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

21.3229, 0.4232, 0.2390

### Protanopia

21.7307, 0.2341, 0.2231

### Deuteranopia

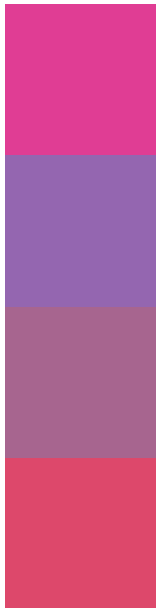
21.4596, 0.3081, 0.3014



## Tritanopia

21.2766, 0.5136, 0.3255

# Trichromacy



**Original Color**

21.3229, 0.4232, 0.2390

**Protanomaly**

18.9332, 0.2846, 0.2172

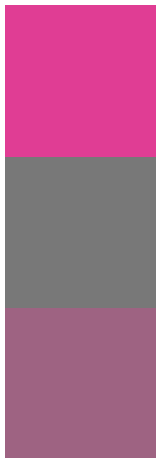
**Deuteranomaly**

19.5060, 0.3478, 0.2655

**Tritanomaly**

21.0684, 0.4832, 0.2926

# Monochromacy



**Original Color**

21.3229, 0.4232, 0.2390

**Achromatopsia**

18.7821, 0.3127, 0.3290

**Achromatomaly**

17.8045, 0.3543, 0.2792

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 21.3229, 0.4232, 0.2390 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(224, 61, 148)` looks like.

```
.text, #text, p{  
    color:rgb(224, 61, 148)  
}
```

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(224, 61, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 61, 148) }
```

## Border

The CSS property to change the border of an element to Yxy 21.3229, 0.4232, 0.2390 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(224, 61, 148) }
```

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

```
.border{ border-color:rgb(224, 61, 148) }
```

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

Here you see how a box with a 4 pixel rgb(224, 61, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 61, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 61, 148);  
box-shadow:4px 4px 4px 4px rgb(224, 61,  
148) }
```



# Background

The CSS property to change the background color of an element to Yxy 21.3229, 0.4232, 0.2390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 61, 148) }
```

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

```
.background{ background-color: rgb(224, 61,  
148) }
```

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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