

# Converting Colors

$Y_{xy}(24.1161, 0.4039, 0.2243)$

Have a look what the booklet for  
Yxy(24.1161, 0.4039, 0.2243)  
contains.

<b>Yxy(24.1427, 0.4043, 0.2245)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(24.1427, 0.4043, 0.2245)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EC3EA9
RGB	236, 62, 169
RGB Percent	93%, 24%, 66%
CMY	0.0745, 0.7569, 0.3371
CMYK	0.00, 0.74, 0.28, 0.07
HSL	323°, 82%, 58%
HSV	323°, 74%, 93%
XYZ	43.4784, 24.1427, 39.9188
YIQ	126.2240, 69.3570, 70.1650

# Conversions

## Conversions Part 2

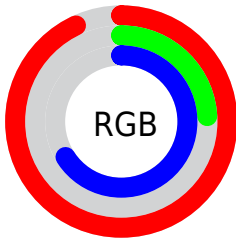
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 62, 169
Decimal	15482537
CIE Lab	56.23, 73.92, -18.61
CIE LCh	56, 76.223, 345.870
Yxy	24.1427, 0.4043, 0.2245
Android (android.graphics.Color)	4293672617 (0xFFEC3EA9)
YUV	126.2240, 21.0886, 96.2736
Hunter-Lab	49.1352, 71.9630, -13.7742

# Details

The Yxy color **24.1427, 0.4043, 0.2245** 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 **62.5996, 0.2776, 0.4834**, and the grayscale version is **20.8544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0571, 0.3475, 0.2305**, and **10.5145, 0.4276, 0.2129** is the 20% darker color. If you saturate the color by 10%, you get **21.7811, 0.4220, 0.2208**, and if you desaturate by 10%, it is **27.6439, 0.3871, 0.2329**.

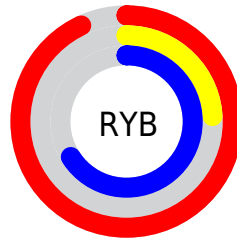
# Distribution



Red (93%)

Green (24%)

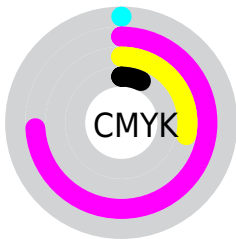
Blue (66%)



Red (93%)

Yellow (24%)

Blue (66%)

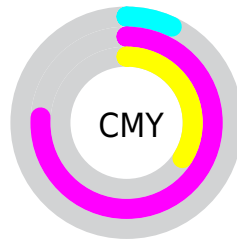


Cyan (0%)

Magenta (74%)

Yellow (28%)

Black (7%)



Cyan (7%)

Magenta (76%)


Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1427, 0.4043, 0.2245 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 24.1427, 0.4043, 0.2245 by changing the saturation by 10% instead.





 24.1427, 0.4043,  
0.2245


 24.1427, 0.4043,  
0.2245


273.5411, 0.3563,  
0.2773


 15.4395, 0.4169,  
0.2113


 50.2630, 0.3864,  
0.2437


 9.1284, 0.4334,  
0.1945


 68.4488, 0.3798,  
0.2509


 4.8250, 0.4558,  
0.1725


 90.5644, 0.3743,  
0.2571

 2.1450, 0.4877,  
0.1427

 116.9940, 0.3696,  
0.2623

 0.6897, 0.5373,  
0.0997

 148.1221, 0.3656,  
0.2668

 0.0000, 0.6459,  
0.0000

184.3330, 0.3621,

 0.0000, 1.0000,

0.2708

0.0000

226.0113, 0.3590,  
0.2742

■ 0.0000, 0.0000,  
0.0000

■ 24.1427, 0.4043,  
0.2245

■ 24.1427, 0.4043,  
0.2245

■ 21.7811, 0.4220,  
0.2208

■ 27.6439, 0.3871,  
0.2329

■ 20.3989, 0.4395,  
0.2223


■ 32.4094, 0.3710,  
0.2450

■ 19.8824, 0.4503,  
0.2254


■ 38.5519, 0.3565,  
0.2595

■ 46.1701, 0.3437,  
0.2754

■ 55.3538, 0.3326,  
0.2917

 66.1857, 0.3232,  
0.3079

 78.7424, 0.3153,  
0.3234

 93.0959, 0.3087,  
0.3381

 96.3042, 0.3035,  
0.3331

# Harmonies

## Analogous

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



24.1427, 0.2709, 0.1753



24.1427, 0.4043, 0.2245



24.1427, 0.5240, 0.2923

# Triad

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



24.1427, 0.4043, 0.2245



24.1427, 0.4178, 0.5412



24.1427, 0.1133, 0.2088

# Complementary

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



24.1427, 0.4043, 0.2245



62.5996, 0.2776, 0.4834

# 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.



24.1427, 0.1345, 0.3168



24.1427, 0.4043, 0.2245



24.1427, 0.3063, 0.5754

# Square

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



24.1427, 0.4043, 0.2245



24.1427, 0.5132, 0.4536



24.1427, 0.2015, 0.4781



24.1427, 0.1275, 0.1614



# Rectangle

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



24.1427, 0.4043, 0.2245



24.1427, 0.5596, 0.3421



24.1427, 0.2015, 0.4781



24.1427, 0.1160, 0.2370

# Sweetspot

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



24.1440, 0.4043, 0.2245



67.9674, 0.3310, 0.2944



14.1452, 0.2143, 0.1172



13.8502, 0.3337, 0.2900



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.



24.1440, 0.4043, 0.2245



25.0699, 0.4302, 0.2208



21.8921, 0.5406, 0.3127



15.2098, 0.3197, 0.3146



10.9856, 0.4476, 0.2240



0.8813, 0.4254, 0.2117



# Inverse Universe

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



24.1440, 0.4043, 0.2245



25.0699, 0.4302, 0.2208



65.9578, 0.2391, 0.3557



15.2098, 0.3197, 0.3146



10.9856, 0.4476, 0.2240



0.8813, 0.4254, 0.2117



# Previews

## White Background



This preview shows how the Yxy color 24.1427, 0.4043, 0.2245 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

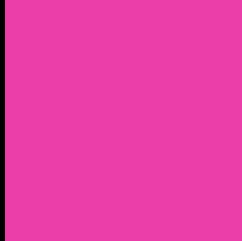
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 24.1427, 0.4043, 0.2245 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

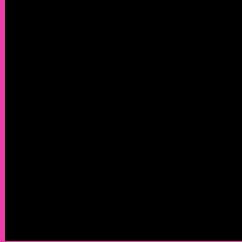
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 24.1427, 0.4043, 0.2245**

## Background



This preview shows how black text looks on a background with the Yxy color 24.1427, 0.4043, 0.2245.

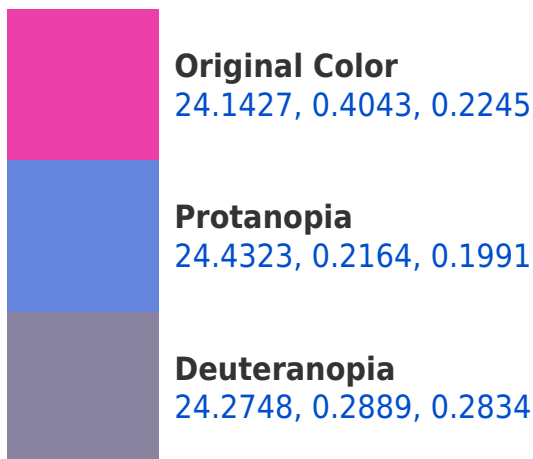


This preview shows how white text looks on a background with the Yxy color 24.1427, 0.4043, 0.2245.

# 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





## Tritanopia

24.0753, 0.5077, 0.3236

# Trichromacy



## Original Color

24.1427, 0.4043, 0.2245



## Protanomaly

21.1692, 0.2623, 0.1961



## Deuteranomaly

21.9304, 0.3276, 0.2487



## Tritanomaly

23.7955, 0.4728, 0.2866

# Monochromacy



## Original Color

24.1427, 0.4043, 0.2245



## Achromatopsia

20.8637, 0.3127, 0.3290



## Achromatomaly

19.7605, 0.3474, 0.2696

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.1427, 0.4043, 0.2245 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(236, 62, 169)` looks like.

```
.text, #text, p{  
    color:rgb(236, 62, 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(236, 62, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 62, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 24.1427, 0.4043, 0.2245 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(236, 62, 169) }
```

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

```
.border{ border-color:rgb(236, 62, 169) }
```

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

Here you see how a box with a 4 pixel rgb(236, 62, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 62, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 62, 169);  
box-shadow:4px 4px 4px 4px rgb(236, 62,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.1427, 0.4043, 0.2245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 62, 169) }
```

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

```
.background{ background-color: rgb(236, 62,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor