

Converting Colors

$Y_{xy}(22.8861, 0.4014, 0.2370)$

Have a look what the booklet for
Yxy(22.8861, 0.4014, 0.2370)
contains.

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Color

Yxy(22.8958, 0.4021, 0.2376)

Conversions

Conversions Part 1

Format	Color
Hex	DE4A9E
RGB	222, 74, 158
RGB Percent	87%, 29%, 62%
CMY	0.1293, 0.7098, 0.3804
CMYK	0.00, 0.67, 0.29, 0.13
HSL	326°, 69%, 58%
HSV	326°, 67%, 87%
XYZ	38.7475, 22.8958, 34.7195
YIQ	127.8280, 61.2440, 57.5000

Conversions

Conversions Part 2

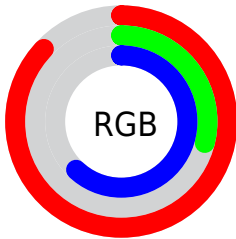
Format	Color
R_{YB}	222, 74, 158
Decimal	14568094
CIE _{Lab}	54.96, 64.86, -14.28
CIE _{LCh}	55, 66.413, 347.580
Yxy	22.8958, 0.4021, 0.2376
Android (android.graphics.Color)	4292758174 (0xFFDE4A9E)
YUV	127.8280, 14.8748, 82.5888
Hunter-Lab	47.8496, 60.8085, -9.5260

Details

The Yxy color **22.8958, 0.4021, 0.2376** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **55.5426, 0.2747, 0.4549**, and the grayscale version is **21.4547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5666, 0.3576, 0.2475**, and **8.8481, 0.4301, 0.2143** is the 20% darker color. If you saturate the color by 10%, you get **20.1199, 0.4223, 0.2313**, and if you desaturate by 10%, it is **26.7454, 0.3832, 0.2478**.

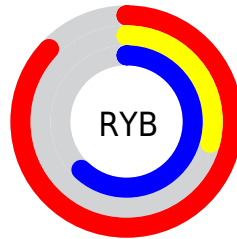
Distribution



Red (87%)

Green (29%)

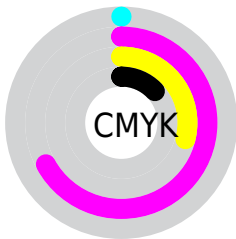
Blue (62%)



Red (87%)

Yellow (29%)

Blue (62%)

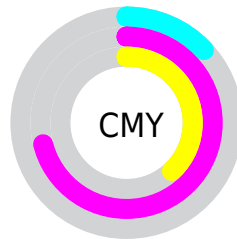


Cyan (0%)

Magenta (67%)

Yellow (29%)

Black (13%)



Cyan (13%)


Magenta (71%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8958, 0.4021, 0.2376 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 22.8958, 0.4021, 0.2376 by changing the saturation by 10% instead.


 22.8958, 0.4021,
0.2376


 22.8958, 0.4021,
0.2376

267.1894, 0.3542,
0.2850


 14.5166, 0.4151,
0.2253


 48.2222, 0.3839,
0.2552

 8.4808, 0.4324,
0.2094


 65.9381, 0.3773,
0.2617


 4.4041, 0.4566,
0.1879


 87.5351, 0.3718,
0.2671

 1.9021, 0.4922,
0.1578

 113.3975, 0.3672,
0.2718

 0.5496, 0.5534,
0.1070

 143.9098, 0.3633,
0.2758

 0.0000, 0.7324,
0.0000

179.4562, 0.3598,

 0.0000, 1.0000,

0.2793

0.0000

220.4213, 0.3568,
0.2823

■ 0.0000, 0.0000,
0.0000

■ 22.8958, 0.4021,
0.2376

■ 22.8958, 0.4021,
0.2376

■ 20.1199, 0.4223,
0.2313

■ 26.7454, 0.3832,
0.2478

■ 18.2978, 0.4429,
0.2300

■ 31.7646, 0.3661,
0.2607


■ 17.2823, 0.4630,
0.2341

■ 38.0427, 0.3511,
0.2751


■ 17.0382, 0.4697,
0.2361

■ 45.6591, 0.3381,
0.2902

■ 54.6869, 0.3272,
0.3052

 65.1936, 0.3180,
0.3197

 77.2425, 0.3103,
0.3335

 90.8931, 0.3040,
0.3463

 93.6094, 0.2986,
0.3397

Harmonies

Analogous

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



22.8958, 0.2822, 0.1901



22.8958, 0.4021, 0.2376



22.8958, 0.5053, 0.3023

Triad

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



22.8958, 0.4021, 0.2376



22.8958, 0.4086, 0.5269



22.8958, 0.1290, 0.2182

Complementary

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



22.8958, 0.4021, 0.2376



55.5426, 0.2747, 0.4549

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.



22.8958, 0.1485, 0.3134



22.8958, 0.4021, 0.2376



22.8958, 0.3058, 0.5435

Square

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



22.8958, 0.4021, 0.2376



22.8958, 0.4948, 0.4539



22.8958, 0.2099, 0.4514



22.8958, 0.1439, 0.1747

Rectangle

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



22.8958, 0.4021, 0.2376



22.8958, 0.5358, 0.3501



22.8958, 0.2099, 0.4514



22.8958, 0.1313, 0.2435

Sweetspot

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



22.8970, 0.4021, 0.2376



70.3255, 0.3308, 0.3000



15.3779, 0.2301, 0.1375



14.3024, 0.3339, 0.2958



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.



22.8970, 0.4021, 0.2376



26.4088, 0.4304, 0.2302



21.1059, 0.5152, 0.3173



13.8302, 0.3204, 0.3158



10.1413, 0.4669, 0.2345



0.7208, 0.4382, 0.2188

Inverse Universe

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



22.8970, 0.4021, 0.2376



26.4088, 0.4304, 0.2302



58.3443, 0.2402, 0.3457



13.8302, 0.3204, 0.3158



10.1413, 0.4669, 0.2345



0.7208, 0.4382, 0.2188

Previews

White Background



This preview shows how the Yxy color 22.8958, 0.4021, 0.2376 looks on a white background.

Color Contrast Check

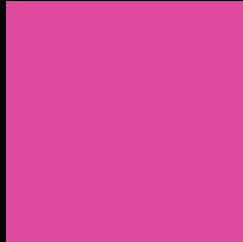
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8958, 0.4021, 0.2376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

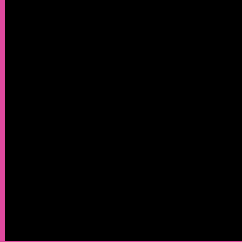
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8958, 0.4021, 0.2376

Background



This preview shows how black text looks on a background with the Yxy color 22.8958, 0.4021, 0.2376.



This preview shows how white text looks on a background with the Yxy color 22.8958, 0.4021, 0.2376.

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

22.8958, 0.4021, 0.2376

Protanopia

23.2937, 0.2345, 0.2231

Deuteranopia

23.1368, 0.2986, 0.2939



Tritanopia

22.9086, 0.4845, 0.3228

Trichromacy



Original Color

22.8958, 0.4021, 0.2376



Protanomaly

21.0548, 0.2804, 0.2211



Deuteranomaly

21.4527, 0.3334, 0.2634



Tritanomaly

22.7326, 0.4555, 0.2899

Monochromacy



Original Color

22.8958, 0.4021, 0.2376



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

20.2706, 0.3451, 0.2807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8958, 0.4021, 0.2376 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(222, 74, 158)` looks like.

```
.text, #text, p{  
    color:rgb(222, 74, 158)  
}
```

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(222, 74, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 74, 158) }
```

Border

The CSS property to change the border of an element to Yxy 22.8958, 0.4021, 0.2376 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(222, 74, 158) }
```

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

```
.border{ border-color:rgb(222, 74, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 74, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 74, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 74, 158);  
box-shadow:4px 4px 4px 4px rgb(222, 74,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8958, 0.4021, 0.2376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 74, 158) }
```

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

```
.background{ background-color: rgb(222, 74,  
158) }
```

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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