

Converting Colors

$Y_{xy}(22.6981, 0.4083, 0.2360)$

Have a look what the booklet for
Yxy(22.6981, 0.4083, 0.2360)
contains.

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Color

Yxy(22.6981, 0.4083, 0.2360)

Conversions

Conversions Part 1

Format	Color
Hex	E1459D
RGB	225, 69, 157
RGB Percent	88%, 27%, 62%
CMY	0.1176, 0.7295, 0.3843
CMYK	0.00, 0.69, 0.30, 0.12
HSL	326°, 72%, 58%
HSV	326°, 69%, 88%
XYZ	39.2696, 22.6981, 34.2107
YIQ	125.6760, 64.7280, 60.4400

Conversions

Conversions Part 2

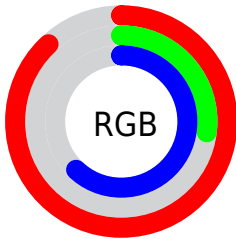
Format	Color
RYB	225, 69, 157
Decimal	14763421
CIELab	54.76, 67.40, -13.97
CIELCh	55, 68.832, 348.293
Yxy	22.6981, 0.4083, 0.2360
Android (android.graphics.Color)	4292953501 (0xFFE1459D)
YUV	125.6760, 15.4427, 87.1071
Hunter-Lab	47.6425, 63.7553, -9.2246

Details

The Yxy color **22.6981, 0.4083, 0.2360** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **56.9313, 0.2740, 0.4602**, and the grayscale version is **20.6771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4518, 0.3592, 0.2447**, and **9.0399, 0.4357, 0.2174** is the 20% darker color. If you saturate the color by 10%, you get **20.1151, 0.4289, 0.2311**, and if you desaturate by 10%, it is **26.3592, 0.3888, 0.2452**.

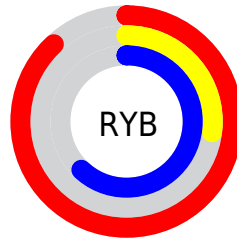
Distribution



Red (88%)

Green (27%)

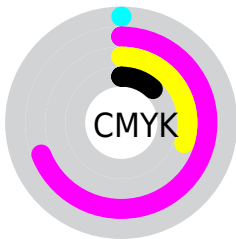
Blue (62%)



Red (88%)

Yellow (27%)

Blue (62%)

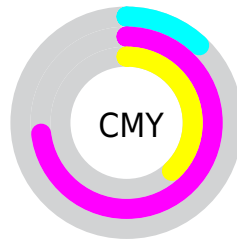


Cyan (0%)

Magenta (69%)

Yellow (30%)

Black (12%)



Cyan (12%)


Magenta (73%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6981, 0.4083, 0.2360 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 22.6981, 0.4083, 0.2360 by changing the saturation by 10% instead.


 22.6981, 0.4083,
0.2360


 22.6981, 0.4083,
0.2360


266.1706, 0.3570,
0.2843


 14.3707, 0.4223,
0.2235


 47.8971, 0.3888,
0.2539

 8.3790, 0.4409,
0.2073


 65.5376, 0.3817,
0.2605


 4.3384, 0.4668,
0.1854


 87.0512, 0.3759,
0.2661

 1.8646, 0.5051,
0.1549

 112.8224, 0.3709,
0.2708

 0.5270, 0.5712,
0.1025

 143.2355, 0.3667,
0.2749

 0.0000, 0.7646,
0.0000

178.6750, 0.3630,

 0.0000, 1.0000,

0.2784

0.0000

219.5252, 0.3598,
0.2815

0.0000, 0.0000,
0.0000

22.6981, 0.4083,
0.2360

22.6981, 0.4083,
0.2360

20.1151, 0.4289,
0.2311

26.3592, 0.3888,
0.2452

18.4802, 0.4497,
0.2313

31.2017, 0.3710,
0.2574

17.5900, 0.4699,
0.2365


37.3207, 0.3552,
0.2715


17.5411, 0.4712,
0.2370


44.8004, 0.3416,
0.2864

53.7180, 0.3301,
0.3014

 64.1446, 0.3203,
0.3160

 76.1468, 0.3122,
0.3299

 89.7871, 0.3055,
0.3429

 94.1403, 0.2999,
0.3388

Harmonies

Analogous

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



22.6981, 0.2835, 0.1869



22.6981, 0.4083, 0.2360



22.6981, 0.5144, 0.3023

Triad

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



22.6981, 0.4083, 0.2360



22.6981, 0.4074, 0.5343



22.6981, 0.1239, 0.2124

Complementary

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



22.6981, 0.4083, 0.2360



56.9313, 0.2740, 0.4602

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.



22.6981, 0.1424, 0.3089



22.6981, 0.4083, 0.2360



22.6981, 0.3016, 0.5519

Square

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



22.6981, 0.4083, 0.2360



22.6981, 0.4976, 0.4577



22.6981, 0.2037, 0.4534



22.6981, 0.1400, 0.1695

Rectangle

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



22.6981, 0.4083, 0.2360



22.6981, 0.5440, 0.3509



22.6981, 0.2037, 0.4534



22.6981, 0.1259, 0.2377

Sweetspot

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



22.6993, 0.4083, 0.2360



69.0501, 0.3320, 0.2987



14.9762, 0.2284, 0.1317



14.0539, 0.3351, 0.2945



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.



22.6993, 0.4083, 0.2360



25.6484, 0.4377, 0.2305



20.8351, 0.5315, 0.3200



13.8294, 0.3204, 0.3159



10.1300, 0.4683, 0.2353



0.7200, 0.4393, 0.2194

Inverse Universe

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



22.6993, 0.4083, 0.2360



25.6484, 0.4377, 0.2305



60.0117, 0.2377, 0.3429



13.8294, 0.3204, 0.3159



10.1300, 0.4683, 0.2353



0.7200, 0.4393, 0.2194

Previews

White Background



This preview shows how the Yxy color 22.6981, 0.4083, 0.2360 looks on a white background.

Color Contrast Check

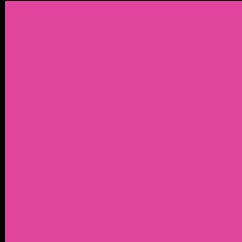
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6981, 0.4083, 0.2360 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 22.6981, 0.4083, 0.2360

Background



This preview shows how black text looks on a background with the Yxy color 22.6981, 0.4083, 0.2360.



This preview shows how white text looks on a background with the Yxy color 22.6981, 0.4083, 0.2360.

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

22.6981, 0.4083, 0.2360

Protanopia

22.9964, 0.2315, 0.2187

Deuteranopia

22.8425, 0.2996, 0.2938



Tritanopia

22.6439, 0.4962, 0.3231

Trichromacy



Original Color

22.6981, 0.4083, 0.2360

Protanomaly

20.4601, 0.2793, 0.2157

Deuteranomaly

21.1072, 0.3362, 0.2621

Tritanomaly

22.5279, 0.4656, 0.2902

Monochromacy



Original Color

22.6981, 0.4083, 0.2360

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

19.5907, 0.3485, 0.2790

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6981, 0.4083, 0.2360 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(225, 69, 157)` looks like.

```
.text, #text, p{  
    color:rgb(225, 69, 157)  
}
```

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(225, 69, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 69, 157) }
```

Border

The CSS property to change the border of an element to Yxy 22.6981, 0.4083, 0.2360 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(225, 69, 157) }
```

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

```
.border{ border-color:rgb(225, 69, 157) }
```

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

Here you see how a box with a 4 pixel rgb(225, 69, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 69, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 69, 157);  
box-shadow:4px 4px 4px 4px rgb(225, 69,  
157) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.6981, 0.4083, 0.2360$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 69, 157) }
```

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

```
.background{ background-color: rgb(225, 69,  
157) }
```

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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