

Converting Colors

$Y_{xy}(22.9360, 0.3741, 0.2198)$

Have a look what the booklet for
Yxy(22.9360, 0.3741, 0.2198)
contains.

Yxy(22.9936, 0.3739, 0.2201)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.9936, 0.3739, 0.2201)

Conversions

Conversions Part 1

Format	Color
Hex	DA4BAE
RGB	218, 75, 174
RGB Percent	85%, 29%, 68%
CMY	0.1452, 0.7057, 0.3177
CMYK	0.00, 0.66, 0.20, 0.15
HSL	318°, 66%, 57%
HSV	318°, 66%, 85%
XYZ	39.0609, 22.9936, 42.4144
YIQ	129.0430, 53.4490, 61.1050

Conversions

Conversions Part 2

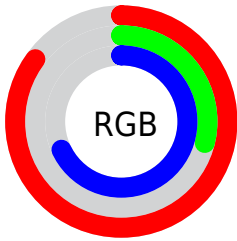
Format	Color
R _{YB}	218, 75, 174
Decimal	14306222
CIE _{Lab}	55.07, 65.42, -23.54
CIE _{LCh}	55, 69.527, 340.211
Yxy	22.9936, 0.3739, 0.2201
Android (android.graphics.Color)	4292496302 (0xFFDA4BAE)
YUV	129.0430, 22.1638, 78.0153
Hunter-Lab	47.9516, 61.4889, -18.8773

Details

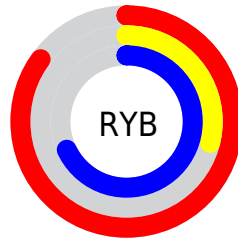
The Yxy color **22.9936, 0.3739, 0.2201** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **52.9570, 0.2838, 0.4801**, and the grayscale version is **21.8819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7482, 0.3407, 0.2332**, and **8.7514, 0.3914, 0.1930** is the 20% darker color. If you saturate the color by 10%, you get **20.2700, 0.3870, 0.2109**, and if you desaturate by 10%, it is **26.7451, 0.3614, 0.2331**.

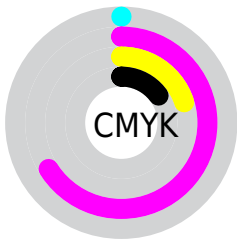
Distribution



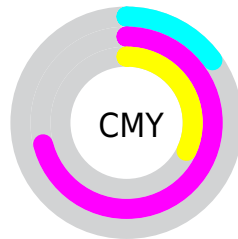
- Red (85%)
- Green (29%)
- Blue (68%)



- Red (85%)
- Yellow (29%)
- Blue (68%)



- Cyan (0%)
- Magenta (66%)
- Yellow (20%)
- Black (15%)




- Cyan (15%)
- Magenta (71%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9936, 0.3739, 0.2201 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 22.9936, 0.3739, 0.2201 by changing the saturation by 10% instead.


 22.9936, 0.3739,
0.2201


 22.9936, 0.3739,
0.2201


267.6921, 0.3426,
0.2751


 14.5888, 0.3819,
0.2064


 48.3828, 0.3624,
0.2401


 8.5313, 0.3921,
0.1890


 66.1360, 0.3581,
0.2476


 4.4368, 0.4058,
0.1662


 87.7741, 0.3545,
0.2540

 1.9208, 0.4247,
0.1355

 113.6815, 0.3514,
0.2594

 0.5608, 0.4545,
0.0879

 144.2426, 0.3487,
0.2641

 0.0000, 0.5109,
0.0000

179.8418, 0.3464,


 0.0000, 1.0000,


0.2682

0.0000


220.8635, 0.3444,
0.2719


 0.0000, 0.0000,
0.0000

 22.9936, 0.3739,
0.2201


 22.9936, 0.3739,
0.2201


 20.2700, 0.3870,
0.2109


 26.7451, 0.3614,
0.2331


 18.4624, 0.4002,
0.2064

 31.6145, 0.3499,
0.2488

 17.4385, 0.4131,
0.2068

 37.6855, 0.3396,
0.2661

 17.1311, 0.4188,
0.2081

 45.0332, 0.3305,
0.2841

 53.7264, 0.3227,
0.3021

■ 63.8287, 0.3160,
0.3196

■ 75.4001, 0.3103,
0.3362

■ 88.4967, 0.3056,
0.3518

■ 92.3817, 0.3017,
0.3503

Harmonies

Analogous

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



22.9936, 0.2540, 0.1773



22.9936, 0.3739, 0.2201



22.9936, 0.4927, 0.2831

Triad

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



22.9936, 0.3739, 0.2201



22.9936, 0.4345, 0.5171



22.9936, 0.1245, 0.2318

Complementary

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



22.9936, 0.3739, 0.2201



52.9570, 0.2838, 0.4801

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.



22.9936, 0.1537, 0.3452



22.9936, 0.3739, 0.2201



22.9936, 0.3303, 0.5590

Square

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



22.9936, 0.3739, 0.2201



22.9936, 0.5167, 0.4353



22.9936, 0.2270, 0.4911



22.9936, 0.1317, 0.1761

Rectangle

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



22.9936, 0.3739, 0.2201



22.9936, 0.5380, 0.3307



22.9936, 0.2270, 0.4911



22.9936, 0.1297, 0.2627

Sweetspot

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



22.9948, 0.3739, 0.2201



70.6957, 0.3261, 0.2939



13.9456, 0.2168, 0.1336



14.3914, 0.3284, 0.2888



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.



22.9948, 0.3739, 0.2201



27.7069, 0.3924, 0.2084



20.9315, 0.4837, 0.2986



13.2030, 0.3184, 0.3129



10.2868, 0.4170, 0.2071



0.6816, 0.3976, 0.1964

Inverse Universe

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



22.9948, 0.3739, 0.2201



27.7069, 0.3924, 0.2084



55.3151, 0.2487, 0.3698



13.2030, 0.3184, 0.3129



10.2868, 0.4170, 0.2071



0.6816, 0.3976, 0.1964

Previews

White Background



This preview shows how the Yxy color 22.9936, 0.3739, 0.2201 looks on a white background.

Color Contrast Check

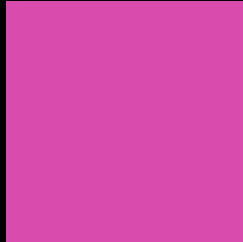
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9936, 0.3739, 0.2201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

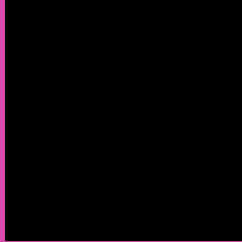
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9936, 0.3739, 0.2201

Background



This preview shows how black text looks on a background with the Yxy color 22.9936, 0.3739, 0.2201.



This preview shows how white text looks on a background with the Yxy color 22.9936, 0.3739, 0.2201.

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

22.9936, 0.3739, 0.2201

Protanopia

23.5717, 0.2165, 0.1998

Deuteranopia

23.3076, 0.2751, 0.2698



Tritanopia

22.9729, 0.4673, 0.3223

Trichromacy



Original Color

22.9936, 0.3739, 0.2201



Protanomaly

21.1197, 0.2566, 0.1987



Deuteranomaly

21.5935, 0.3073, 0.2418



Tritanomaly

22.8341, 0.4339, 0.2821

Monochromacy



Original Color

22.9936, 0.3739, 0.2201



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

20.5587, 0.3359, 0.2732

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9936, 0.3739, 0.2201 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(218, 75, 174)` looks like.

```
.text, #text, p{  
    color:rgb(218, 75, 174)  
}
```

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(218, 75, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 75, 174) }
```

Border

The CSS property to change the border of an element to Yxy 22.9936, 0.3739, 0.2201 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(218, 75, 174) }
```

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

```
.border{ border-color:rgb(218, 75, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 75, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 75, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 75, 174);  
box-shadow:4px 4px 4px 4px rgb(218, 75,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9936, 0.3739, 0.2201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 75, 174) }
```

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

```
.background{ background-color: rgb(218, 75,  
174) }
```

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