

Converting Colors

$Y_{xy}(15.8694, 0.4312, 0.2340)$

Have a look what the booklet for
Yxy(15.8694, 0.4312, 0.2340)
contains.

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Color

Yxy(15.8960, 0.4315, 0.2345)

Conversions

Conversions Part 1

Format	Color
Hex	CA2B82
RGB	202, 43, 130
RGB Percent	79%, 17%, 51%
CMY	0.2078, 0.8313, 0.4902
CMYK	0.00, 0.79, 0.36, 0.21
HSL	327°, 65%, 48%
HSV	327°, 79%, 79%
XYZ	29.2500, 15.8960, 22.6408
YIQ	100.4590, 66.8370, 60.7650

Conversions

Conversions Part 2

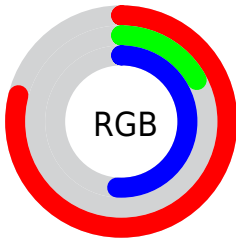
Format	Color
RYB	202, 43, 130
Decimal	13249410
CIELab	46.84, 66.72, -10.15
CIELCh	47, 67.486, 351.353
Yxy	15.8960, 0.4315, 0.2345
Android (android.graphics.Color)	4291439490 (0xFFCA2B82)
YUV	100.4590, 14.5637, 89.0515
Hunter-Lab	39.8698, 61.1823, -5.7601

Details

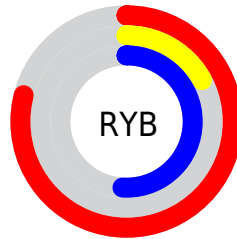
The Yxy color **15.8960, 0.4315, 0.2345** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark muted rose. A complement of this color would be **43.9945, 0.2723, 0.4751**, and the grayscale version is **12.8180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7820, 0.3967, 0.2516**, and **6.4337, 0.4643, 0.2331** is the 20% darker color. If you saturate the color by 10%, you get **14.5387, 0.4532, 0.2345**, and if you desaturate by 10%, it is **18.0035, 0.4101, 0.2396**.

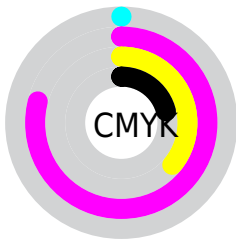
Distribution



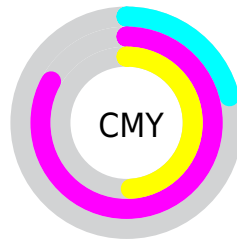
- Red (79%)
- Green (17%)
- Blue (51%)



- Red (79%)
- Yellow (17%)
- Blue (51%)



- Cyan (0%)
- Magenta (79%)
- Yellow (36%)
- Black (21%)




- Cyan (21%)
- Magenta (83%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8960, 0.4315, 0.2345 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 15.8960, 0.4315, 0.2345 by changing the saturation by 10% instead.


 15.8960, 0.4315,
0.2345


 15.8960, 0.4315,
0.2345


228.7273, 0.3639,
0.2866


 9.4506, 0.4516,
0.2198


 36.4176, 0.4047,
0.2547


 5.0362, 0.4796,
0.2000


 51.2625, 0.3953,
0.2619

 2.2685, 0.5208,
0.1720

 69.6761, 0.3876,
0.2678

 0.7570, 0.5870,
0.1297

 92.0427, 0.3813,
0.2728

 0.0000, 0.8081,
0.0000

 118.7467, 0.3759,
0.2770

 0.0000, 1.0000,
0.0000

 150.1725, 0.3713,

 0.0000, 0.0000,

0.2807

0.0000

186.7046, 0.3673,
0.2838

■ 15.8960, 0.4315,
0.2345

■ 15.8960, 0.4315,
0.2345

■ 14.5387, 0.4532,
0.2345

■ 18.0035, 0.4101,
0.2396

■ 13.7765, 0.4744,
0.2395

■ 20.9539, 0.3899,
0.2487

■ 13.6937, 0.4772,
0.2402

■ 24.8290, 0.3716,
0.2607

■ 29.7001, 0.3555,
0.2744

■ 35.6316, 0.3416,
0.2888

■ 42.6823, 0.3298,
0.3033

■ 50.9067, 0.3200,
0.3173

■ 60.3558, 0.3117,
0.3307

■ 71.0774, 0.3049,
0.3431

Harmonies

Analogous

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



15.8960, 0.2926, 0.1806



15.8960, 0.4315, 0.2345



15.8960, 0.5418, 0.3048

Triad

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



15.8960, 0.4315, 0.2345



15.8960, 0.3980, 0.5571



15.8960, 0.1111, 0.1942

Complementary

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



15.8960, 0.4315, 0.2345



43.9945, 0.2723, 0.4751

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.



15.8960, 0.1251, 0.2906



15.8960, 0.4315, 0.2345



15.8960, 0.2846, 0.5731

Square

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



15.8960, 0.4315, 0.2345



15.8960, 0.4999, 0.4710



15.8960, 0.1835, 0.4509



15.8960, 0.1316, 0.1553

Rectangle

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



15.8960, 0.4315, 0.2345



15.8960, 0.5654, 0.3557



15.8960, 0.1835, 0.4509



15.8960, 0.1117, 0.2187

Sweetspot

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



15.8969, 0.4315, 0.2345



65.3161, 0.3362, 0.2952



9.6079, 0.2183, 0.1132



13.0940, 0.3406, 0.2899



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.



15.8969, 0.4315, 0.2345



23.6988, 0.4672, 0.2374



14.5242, 0.5749, 0.3234



11.3146, 0.3206, 0.3164



8.8297, 0.4745, 0.2388



0.4707, 0.4365, 0.2178

Inverse Universe

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



15.8969, 0.4315, 0.2345



23.6988, 0.4672, 0.2374



46.6535, 0.2327, 0.3408



11.3146, 0.3206, 0.3164



8.8297, 0.4745, 0.2388



0.4707, 0.4365, 0.2178

Previews

White Background



This preview shows how the Yxy color 15.8960, 0.4315, 0.2345 looks on a white 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

Black Background



This preview shows how the Yxy color 15.8960, 0.4315, 0.2345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

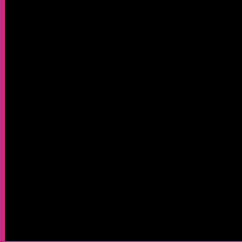
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8960, 0.4315, 0.2345

Background



This preview shows how black text looks on a background with the Yxy color 15.8960, 0.4315, 0.2345.



This preview shows how white text looks on a background with the Yxy color 15.8960, 0.4315, 0.2345.

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

15.8960, 0.4315, 0.2345

Protanopia

16.3217, 0.2268, 0.2135

Deuteranopia

16.1940, 0.3086, 0.3037



Tritanopia

15.9541, 0.5331, 0.3265

Trichromacy



Original Color

15.8960, 0.4315, 0.2345

Protanomaly

13.8259, 0.2784, 0.2065

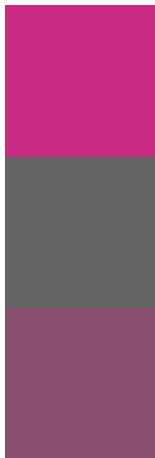
Deuteranomaly

14.3672, 0.3526, 0.2619

Tritanomaly

15.6917, 0.5001, 0.2931

Monochromacy



Original Color

15.8960, 0.4315, 0.2345

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.0580, 0.3586, 0.2706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8960, 0.4315, 0.2345 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(202, 43, 130)` looks like.

```
.text, #text, p{  
  color:rgb(202, 43, 130)  
}
```

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(202, 43, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 43, 130) }
```

Border

The CSS property to change the border of an element to Yxy 15.8960, 0.4315, 0.2345 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(202, 43, 130) }
```

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

```
.border{ border-color:rgb(202, 43, 130) }
```

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

Here you see how a box with a 4 pixel rgb(202, 43, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 43, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 43, 130);  
box-shadow:4px 4px 4px 4px rgb(202, 43,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8960, 0.4315, 0.2345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 43, 130) }
```

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

```
.background{ background-color: rgb(202, 43,  
130) }
```

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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