

Converting Colors

$Yxy(19.3959, 0.4095, 0.2184)$

Have a look what the booklet for
Yxy(19.3959, 0.4095, 0.2184)
contains.

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Color

Yxy(19.3836, 0.4103, 0.2189)

Conversions

Conversions Part 1

Format	Color
Hex	DC2C9B
RGB	220, 44, 155
RGB Percent	86%, 17%, 61%
CMY	0.1373, 0.8274, 0.3922
CMYK	0.00, 0.80, 0.30, 0.14
HSL	322°, 72%, 52%
HSV	322°, 80%, 86%
XYZ	36.3321, 19.3836, 32.8343
YIQ	109.2780, 69.2650, 71.8330

Conversions

Conversions Part 2

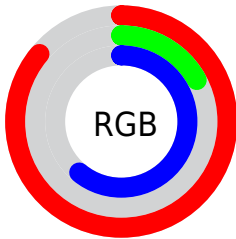
Format	Color
R_{YB}	220, 44, 155
Decimal	14429339
CIE _{Lab}	51.13, 73.51, -18.37
CIE _{LCh}	51, 75.767, 345.968
Yxy	19.3836, 0.4103, 0.2189
Android (android.graphics.Color)	4292619419 (0xFFDC2C9B)
YUV	109.2780, 22.5409, 97.1032
Hunter-Lab	44.0268, 70.2559, -13.3986

Details

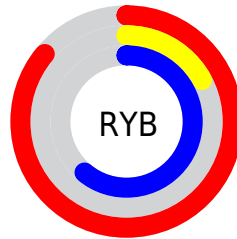
The Yxy color **19.3836, 0.4103, 0.2189** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle washed rose. A complement of this color would be **52.8273, 0.2790, 0.5015**, and the grayscale version is **15.2981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0650, 0.3640, 0.2308**, and **8.4731, 0.4324, 0.2156** is the 20% darker color. If you saturate the color by 10%, you get **17.8926, 0.4270, 0.2179**, and if you desaturate by 10%, it is **21.7627, 0.3937, 0.2249**.

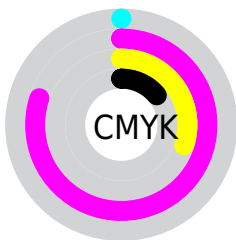
Distribution



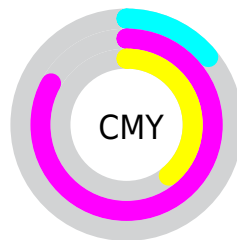
- Red (86%)
- Green (17%)
- Blue (61%)



- Red (86%)
- Yellow (17%)
- Blue (61%)



- Cyan (0%)
- Magenta (80%)
- Yellow (30%)
- Black (14%)





- Cyan (14%)
- Magenta (83%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.3836, 0.4103, 0.2189 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 19.3836, 0.4103, 0.2189 by changing the saturation by 10% instead.


 19.3836, 0.4103,
0.2189


 19.3836, 0.4103,
0.2189


248.5583, 0.3576,
0.2762

 11.9478, 0.4247,
0.2041

 42.3813, 0.3902,
0.2402


 6.7081, 0.4439,
0.1849


 58.7120, 0.3830,
0.2480


 3.2802, 0.4707,
0.1594


 78.7764, 0.3769,
0.2546

 1.2797, 0.5102,
0.1243

 102.9589, 0.3719,
0.2602

 0.1254, 0.6000,
0.0309

 131.6440, 0.3675,
0.2651

 0.0000, 0.7999,
0.0000

165.2160, 0.3638,

 0.0000, 0.0000,

0.2693

0.0000

204.0593, 0.3605,
0.2729

■ 19.3836, 0.4103,
0.2189

■ 19.3836, 0.4103,
0.2189

■ 17.8926, 0.4270,
0.2179

■ 21.7627, 0.3937,
0.2249

■ 17.0727, 0.4433,
0.2216

■ 25.1474, 0.3777,
0.2352

■ 17.0722, 0.4433,
0.2216

■ 29.6408, 0.3630,
0.2487

■ 35.3318, 0.3498,
0.2641

■ 42.3006, 0.3382,
0.2806

■ 50.6203, 0.3283,
0.2972

■ 60.3585, 0.3198,
0.3135

■ 71.5780, 0.3127,
0.3290

■ 84.3382, 0.3068,
0.3436

Harmonies

Analogous

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



19.3836, 0.2681, 0.1681



19.3836, 0.4103, 0.2189



19.3836, 0.5381, 0.2887

Triad

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



19.3836, 0.4103, 0.2189



19.3836, 0.4185, 0.5510



19.3836, 0.1044, 0.2007

Complementary

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



19.3836, 0.4103, 0.2189



52.8273, 0.2790, 0.5015

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.



19.3836, 0.1249, 0.3137



19.3836, 0.4103, 0.2189



19.3836, 0.3018, 0.5936

Square

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



19.3836, 0.4103, 0.2189



19.3836, 0.5206, 0.4553



19.3836, 0.1931, 0.4895



19.3836, 0.1194, 0.1529

Rectangle

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



19.3836, 0.4103, 0.2189



19.3836, 0.5743, 0.3395



19.3836, 0.1931, 0.4895



19.3836, 0.1068, 0.2296

Sweetspot

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



19.3846, 0.4103, 0.2189



65.6032, 0.3323, 0.2902



10.1921, 0.2030, 0.1031



13.1630, 0.3359, 0.2842



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.



19.3846, 0.4103, 0.2189



24.1826, 0.4380, 0.2202



17.4293, 0.5618, 0.3114



13.1890, 0.3194, 0.3144



10.0416, 0.4409, 0.2203



0.6670, 0.4163, 0.2067

Inverse Universe

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



19.3846, 0.4103, 0.2189



24.1826, 0.4380, 0.2202



55.7327, 0.2384, 0.3625



13.1890, 0.3194, 0.3144



10.0416, 0.4409, 0.2203



0.6670, 0.4163, 0.2067

Previews

White Background



This preview shows how the Yxy color 19.3836, 0.4103, 0.2189 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 19.3836, 0.4103, 0.2189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

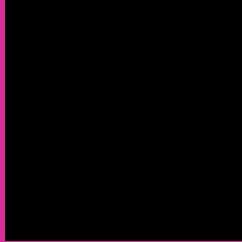
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3836, 0.4103, 0.2189

Background



This preview shows how black text looks on a background with the Yxy color 19.3836, 0.4103, 0.2189.



This preview shows how white text looks on a background with the Yxy color 19.3836, 0.4103, 0.2189.

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

19.3836, 0.4103, 0.2189

Protanopia

19.9709, 0.2083, 0.1890

Deuteranopia

19.7192, 0.2879, 0.2828



Tritanopia

19.4389, 0.5262, 0.3266

Trichromacy



Original Color

19.3836, 0.4103, 0.2189



Protanomaly

16.3585, 0.2538, 0.1821



Deuteranomaly

17.0933, 0.3291, 0.2409



Tritanomaly

19.0437, 0.4883, 0.2858

Monochromacy



Original Color

19.3836, 0.4103, 0.2189



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

14.3929, 0.3510, 0.2603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3836, 0.4103, 0.2189 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(220, 44, 155)` looks like.

```
.text, #text, p{  
    color:rgb(220, 44, 155)  
}
```

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(220, 44, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 44, 155) }
```

Border

The CSS property to change the border of an element to Yxy 19.3836, 0.4103, 0.2189 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(220, 44, 155) }
```

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

```
.border{ border-color:rgb(220, 44, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 44, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 44, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 44, 155);  
box-shadow:4px 4px 4px 4px rgb(220, 44,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3836, 0.4103, 0.2189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 44, 155) }
```

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

```
.background{ background-color: rgb(220, 44,  
155) }
```

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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