

Converting Colors

$Y_{xy}(23.8693, 0.3819, 0.2314)$

Have a look what the booklet for
Yxy(23.8693, 0.3819, 0.2314)
contains.

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Color

Yxy(23.8095, 0.3810, 0.2307)

Conversions

Conversions Part 1

Format	Color
Hex	DB51A9
RGB	219, 81, 169
RGB Percent	86%, 32%, 66%
CMY	0.1411, 0.6824, 0.3371
CMYK	0.00, 0.63, 0.23, 0.14
HSL	322°, 66%, 59%
HSV	322°, 63%, 86%
XYZ	39.3213, 23.8095, 40.0747
YIQ	132.2940, 54.0000, 56.6240

Conversions

Conversions Part 2

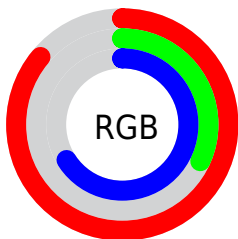
Format	Color
R_{YB}	219, 81, 169
Decimal	14373289
CIE _{Lab}	55.90, 62.66, -19.37
CIE _{LCh}	56, 65.589, 342.824
Yxy	23.8095, 0.3810, 0.2307
Android (android.graphics.Color)	4292563369 (0xFFDB51A9)
YUV	132.2940, 18.0961, 76.0412
Hunter-Lab	48.7950, 58.4525, -14.5376

Details

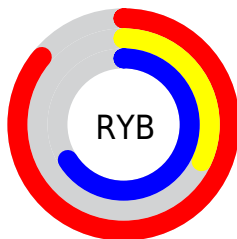
The Yxy color **23.8095, 0.3810, 0.2307** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **54.0540, 0.2804, 0.4618**, and the grayscale version is **23.1047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8188, 0.3459, 0.2430**, and **8.9316, 0.4013, 0.2014** is the 20% darker color. If you saturate the color by 10%, you get **20.7754, 0.3968, 0.2215**, and if you desaturate by 10%, it is **27.9133, 0.3662, 0.2435**.

Distribution



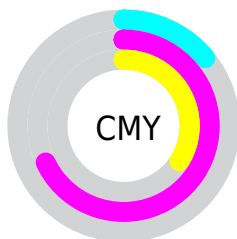
- Red (86%)
- Green (32%)
- Blue (66%)



- Red (86%)
- Yellow (32%)
- Blue (66%)



- Cyan (0%)
- Magenta (63%)
- Yellow (23%)
- Black (14%)




- Cyan (14%)
- Magenta (68%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8095, 0.3810, 0.2307 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 23.8095, 0.3810, 0.2307 by changing the saturation by 10% instead.


 23.8095, 0.3810,
0.2307


 23.8095, 0.3810,
0.2307


271.8560, 0.3454,
0.2808


 15.1924, 0.3903,
0.2181


 49.7192, 0.3677,
0.2490


 8.9545, 0.4025,
0.2019


 67.7805, 0.3628,
0.2559

 4.7115, 0.4190,
0.1804


 89.7586, 0.3588,
0.2616

 2.0790, 0.4427,
0.1510

 116.0380, 0.3553,
0.2666

 0.6528, 0.4801,
0.1064

147.0031, 0.3523,
0.2708

 0.0000, 0.5668,
0.0000

183.0381, 0.3497,

 0.0000, 1.0000,

0.2746

0.0000

224.5276, 0.3474,
0.2779

0.0000, 0.0000,
0.0000

23.8095, 0.3810,
0.2307

23.8095, 0.3810,
0.2307

20.7754, 0.3968,
0.2215

27.9133, 0.3662,
0.2435

18.7019, 0.4131,
0.2167

33.1745, 0.3528,
0.2586

17.4629, 0.4292,
0.2171

39.6761, 0.3410,
0.2750

16.9460, 0.4403,
0.2199

47.4922, 0.3308,
0.2918

56.6911, 0.3221,
0.3084

67.3365, 0.3147,
0.3243

79.4878, 0.3085,
0.3394

92.4345, 0.3034,
0.3523

92.8967, 0.2990,
0.3439

Harmonies

Analogous

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



23.8095, 0.2667, 0.1875



23.8095, 0.3810, 0.2307



23.8095, 0.4883, 0.2926

Triad

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



23.8095, 0.3810, 0.2307



23.8095, 0.4227, 0.5138



23.8095, 0.1329, 0.2320

Complementary

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



23.8095, 0.3810, 0.2307



54.0540, 0.2804, 0.4618

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.



23.8095, 0.1587, 0.3340



23.8095, 0.3810, 0.2307



23.8095, 0.3231, 0.5417

Square

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



23.8095, 0.3810, 0.2307



23.8095, 0.5019, 0.4402



23.8095, 0.2259, 0.4680



23.8095, 0.1424, 0.1819

Rectangle

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



23.8095, 0.3810, 0.2307



23.8095, 0.5268, 0.3392



23.8095, 0.2259, 0.4680



23.8095, 0.1373, 0.2599

Sweetspot

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



23.8107, 0.3810, 0.2307



71.8090, 0.3273, 0.2982



15.6890, 0.2272, 0.1436



14.6002, 0.3299, 0.2934



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.



23.8107, 0.3810, 0.2307



28.1142, 0.4027, 0.2192



21.8982, 0.4842, 0.3070



13.1906, 0.3193, 0.3142



10.0691, 0.4380, 0.2187



0.6686, 0.4140, 0.2054

Inverse Universe

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



23.8107, 0.3810, 0.2307



28.1142, 0.4027, 0.2192



56.5075, 0.2467, 0.3578



13.1906, 0.3193, 0.3142



10.0691, 0.4380, 0.2187



0.6686, 0.4140, 0.2054

Previews

White Background



This preview shows how the Yxy color 23.8095, 0.3810, 0.2307 looks on a white background.

Color Contrast Check

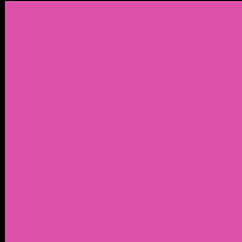
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8095, 0.3810, 0.2307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

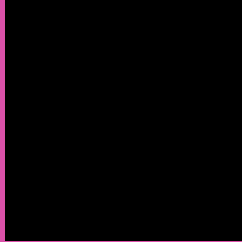
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8095, 0.3810, 0.2307

Background



This preview shows how black text looks on a background with the Yxy color 23.8095, 0.3810, 0.2307.



This preview shows how white text looks on a background with the Yxy color 23.8095, 0.3810, 0.2307.

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

23.8095, 0.3810, 0.2307

Protanopia

24.1333, 0.2283, 0.2154

Deuteranopia

23.8741, 0.2858, 0.2799



Tritanopia

23.6950, 0.4638, 0.3212

Trichromacy



Original Color

23.8095, 0.3810, 0.2307



Protanomaly

21.9564, 0.2695, 0.2133



Deuteranomaly

22.4899, 0.3174, 0.2539



Tritanomaly

23.4878, 0.4337, 0.2857

Monochromacy



Original Color

23.8095, 0.3810, 0.2307



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

21.7471, 0.3389, 0.2800

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8095, 0.3810, 0.2307 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(219, 81, 169)` looks like.

```
.text, #text, p{  
    color:rgb(219, 81, 169)  
}
```

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(219, 81, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 81, 169) }
```

Border

The CSS property to change the border of an element to Yxy 23.8095, 0.3810, 0.2307 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(219, 81, 169) }
```

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

```
.border{ border-color:rgb(219, 81, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 81, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 81, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 81, 169);  
box-shadow:4px 4px 4px 4px rgb(219, 81,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8095, 0.3810, 0.2307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 81, 169) }
```

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

```
.background{ background-color: rgb(219, 81,  
169) }
```

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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