

Converting Colors

$Y_{xy}(12.9612, 0.4132, 0.2180)$

Have a look what the booklet for
Yxy(12.9612, 0.4132, 0.2180)
contains.

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Color

Yxy(12.9323, 0.4123, 0.2177)

Conversions

Conversions Part 1

Format	Color
Hex	B92081
RGB	185, 32, 129
RGB Percent	73%, 13%, 51%
CMY	0.2744, 0.8747, 0.4941
CMYK	0.00, 0.83, 0.30, 0.27
HSL	322°, 71%, 43%
HSV	322°, 83%, 73%
XYZ	24.4924, 12.9323, 21.9796
YIQ	88.8050, 60.0510, 62.6030

Conversions

Conversions Part 2

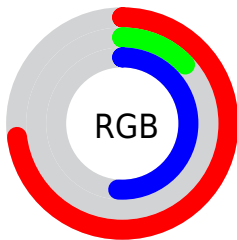
Format	Color
R_{YB}	185, 32, 129
Decimal	12132481
CIE _{Lab}	42.66, 65.33, -16.18
CIE _{LCh}	43, 67.301, 346.086
Yxy	12.9323, 0.4123, 0.2177
Android (android.graphics.Color)	4290322561 (0xFFB92081)
YUV	88.8050, 19.8161, 84.3630
Hunter-Lab	35.9615, 58.6386, -11.0648

Details

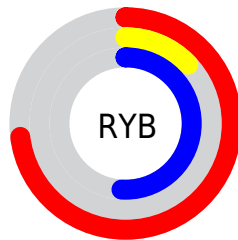
The Yxy color **12.9323, 0.4123, 0.2177** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **35.7196, 0.2795, 0.5066**, and the grayscale version is **9.8843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1556, 0.3896, 0.2414**, and **5.0912, 0.4373, 0.2183** is the 20% darker color. If you saturate the color by 10%, you get **12.0282, 0.4285, 0.2176**, and if you desaturate by 10%, it is **14.4086, 0.3960, 0.2229**.

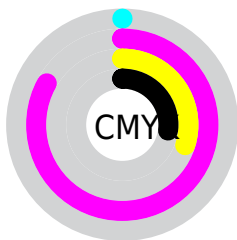
Distribution



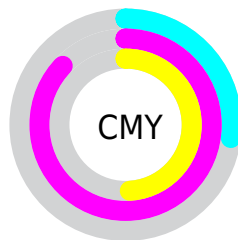
- Red (73%)
- Green (13%)
- Blue (51%)



- Red (73%)
- Yellow (13%)
- Blue (51%)



- Cyan (0%)
- Magenta (83%)
- Yellow (30%)
- Black (27%)





- Cyan (27%)
- Magenta (87%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9323, 0.4123, 0.2177 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 12.9323, 0.4123, 0.2177 by changing the saturation by 10% instead.


 12.9323, 0.4123,
0.2177


 12.9323, 0.4123,
0.2177

210.4833, 0.3552,
0.2793


 7.3819, 0.4295,
0.2003


 31.1821, 0.3895,
0.2416


 3.7021, 0.4535,
0.1769


 44.6503, 0.3816,
0.2501


 1.5084, 0.4891,
0.1440

 61.5267, 0.3752,
0.2571

 0.2946, 0.5622,
0.0703

 82.1955, 0.3698,
0.2630

 0.0000, 0.7692,
0.0000

 107.0411, 0.3653,
0.2680

 0.0000, 0.0000,
0.0000

 136.4481, 0.3615,

0.2723

170.8007, 0.3581,
0.2760

■ 12.9323, 0.4123,
0.2177

■ 12.9323, 0.4123,
0.2177

■ 12.0282, 0.4285,
0.2176

■ 14.4086, 0.3960,
0.2229

■ 11.6099, 0.4402,
0.2199

■ 16.5371, 0.3802,
0.2323

■ 19.3874, 0.3656,
0.2451

■ 23.0194, 0.3523,
0.2601

■ 27.4868, 0.3406,
0.2763

■ 32.8384, 0.3304,
0.2929

■ 39.1193, 0.3218,
0.3092

■ 46.3715, 0.3145,
0.3249

■ 54.6345, 0.3084,
0.3397

Harmonies

Analogous

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



12.9323, 0.2678, 0.1664



12.9323, 0.4123, 0.2177



12.9323, 0.5419, 0.2879

Triad

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



12.9323, 0.4123, 0.2177



12.9323, 0.4188, 0.5545



12.9323, 0.1022, 0.1984

Complementary

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



12.9323, 0.4123, 0.2177



35.7196, 0.2795, 0.5066

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.



12.9323, 0.1224, 0.3124



12.9323, 0.4123, 0.2177



12.9323, 0.3002, 0.5981

Square

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



12.9323, 0.4123, 0.2177



12.9323, 0.5229, 0.4568



12.9323, 0.1907, 0.4919



12.9323, 0.1175, 0.1507

Rectangle

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



12.9323, 0.4123, 0.2177



12.9323, 0.5780, 0.3390



12.9323, 0.1907, 0.4919



12.9323, 0.1045, 0.2275

Sweetspot

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



12.9330, 0.4123, 0.2177



56.0747, 0.3330, 0.2885



6.4896, 0.1979, 0.0983



11.3618, 0.3365, 0.2827



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.9330, 0.4123, 0.2177



20.8206, 0.4410, 0.2207



11.6225, 0.5648, 0.3094



9.1055, 0.3192, 0.3146



7.9170, 0.4383, 0.2188



0.2906, 0.4007, 0.1981

Inverse Universe

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



12.9330, 0.4123, 0.2177



20.8206, 0.4410, 0.2207



37.6267, 0.2393, 0.3679



9.1055, 0.3192, 0.3146



7.9170, 0.4383, 0.2188



0.2906, 0.4007, 0.1981

Previews

White Background



This preview shows how the Yxy color 12.9323, 0.4123, 0.2177 looks on a white background.

Color Contrast Check

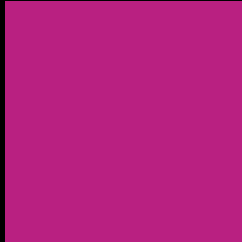
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9323, 0.4123, 0.2177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

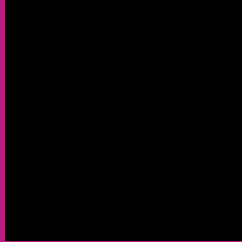
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9323, 0.4123, 0.2177

Background



This preview shows how black text looks on a background with the Yxy color 12.9323, 0.4123, 0.2177.



This preview shows how white text looks on a background with the Yxy color 12.9323, 0.4123, 0.2177.

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

12.9323, 0.4123, 0.2177

Protanopia

13.2913, 0.2061, 0.1862

Deuteranopia

13.3196, 0.2885, 0.2849



Tritanopia

12.9558, 0.5312, 0.3262

Trichromacy



Original Color

12.9323, 0.4123, 0.2177

Protanomaly

10.8852, 0.2518, 0.1792

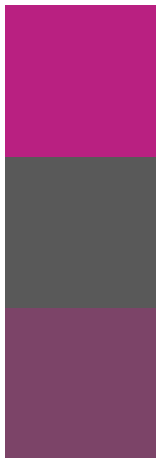
Deuteranomaly

11.3929, 0.3299, 0.2398

Tritanomaly

12.7149, 0.4931, 0.2851

Monochromacy



Original Color

12.9323, 0.4123, 0.2177

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.4188, 0.3525, 0.2578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9323, 0.4123, 0.2177 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(185, 32, 129)` looks like.

```
.text, #text, p{  
  color:rgb(185, 32, 129)  
}
```

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(185, 32, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 32, 129) }
```

Border

The CSS property to change the border of an element to Yxy 12.9323, 0.4123, 0.2177 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(185, 32, 129) }
```

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

```
.border{ border-color:rgb(185, 32, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 32, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 32, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 32, 129);  
box-shadow:4px 4px 4px 4px rgb(185, 32,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9323, 0.4123, 0.2177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 32, 129) }
```

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

```
.background{ background-color: rgb(185, 32,  
129) }
```

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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