

Converting Colors

$Y_{xy}(12.1383, 0.4102, 0.2033)$

Have a look what the booklet for
Yxy(12.1383, 0.4102, 0.2033)
contains.

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Color

Yxy(12.1326, 0.4090, 0.2027)

Conversions

Conversions Part 1

Format	Color
Hex	BA0085
RGB	186, 0, 133
RGB Percent	73%, 0%, 52%
CMY	0.2706, 0.9995, 0.4784
CMYK	0.00, 1.00, 0.28, 0.27
HSL	317°, 100%, 36%
HSV	317°, 100%, 73%
XYZ	24.4807, 12.1326, 23.2417
YIQ	70.7760, 68.1630, 80.7950

Conversions

Conversions Part 2

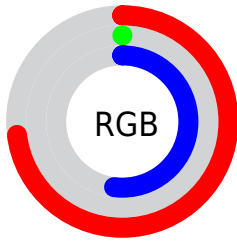
Format	Color
RYB	186, 0, 133
Decimal	12189829
CIELab	41.43, 70.60, -20.52
CIELCh	41, 73.520, 343.796
Yxy	12.1326, 0.4090, 0.2027
Android (android.graphics.Color)	4290379909 (0xFFBA0085)
YUV	70.7760, 30.6764, 101.0514
Hunter-Lab	34.8319, 64.4983, -15.1791

Details

The Yxy color **12.1326, 0.4090, 0.2027** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **35.3704, 0.2897, 0.5630**, and the grayscale version is **6.2114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6350, 0.3876, 0.2292**, and **5.2137, 0.4303, 0.2144** is the 20% darker color. If you saturate the color by 10%, you get **12.1298, 0.4091, 0.2027**, and if you desaturate by 10%, it is **12.7372, 0.3974, 0.2018**.

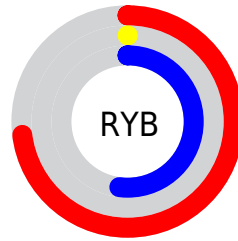
Distribution



Red (73%)

Green (0%)

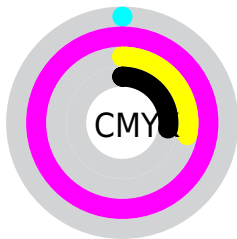
Blue (52%)



Red (73%)

Yellow (0%)

Blue (52%)

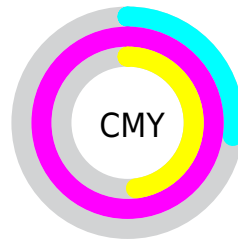


Cyan (0%)

Magenta (100%)

Yellow (28%)

Black (27%)



Cyan (27%)


Magenta (100%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1326, 0.4090, 0.2027 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 12.1326, 0.4090, 0.2027 by changing the saturation by 10% instead.


 12.1326, 0.4090,
0.2027


 12.1326, 0.4090,
0.2027


205.2812, 0.3545,
0.2719


 6.8340, 0.4250,
0.1836


 29.7364, 0.3875,
0.2292

 3.3585, 0.4471,
0.1583


 42.8104, 0.3799,
0.2388

 1.3217, 0.4791,
0.1237

 59.2450, 0.3737,
0.2467

 0.1579, 0.5510,
0.0370

 79.4247, 0.3686,
0.2534

 0.0000, 0.6720,
0.0000

 103.7337, 0.3642,
0.2590

 0.0000, 0.0000,
0.0000

 132.5565, 0.3605,

0.2639

166.2776, 0.3573,
0.2681

■ 12.1326, 0.4090,
0.2027

■ 12.1326, 0.4090,
0.2027

■ 12.1298, 0.4091,
0.2027

■ 12.7372, 0.3974,
0.2018

■ 13.7815, 0.3856,
0.2050

■ 15.4240, 0.3737,
0.2129

■ 17.7433, 0.3622,
0.2249

■ 20.8061, 0.3514,
0.2399

■ 24.6710, 0.3415,
0.2570

■ 29.3907, 0.3327,
0.2752

■ 35.0135, 0.3250,
0.2936

■ 41.5841, 0.3183,
0.3117

Harmonies

Analogous

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



12.1326, 0.2519, 0.1513



12.1326, 0.4090, 0.2027



12.1326, 0.5585, 0.2747

Triad

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



12.1326, 0.4090, 0.2027



12.1326, 0.4326, 0.5673



12.1326, 0.0880, 0.1909

Complementary

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



12.1326, 0.4090, 0.2027



35.3704, 0.2897, 0.5630

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.



12.1326, 0.1098, 0.3207



12.1326, 0.4090, 0.2027



12.1326, 0.3006, 0.6308

Square

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



12.1326, 0.4090, 0.2027



12.1326, 0.5457, 0.4521



12.1326, 0.1837, 0.5292



12.1326, 0.1017, 0.1388

Rectangle

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



12.1326, 0.4090, 0.2027



12.1326, 0.6016, 0.3265



12.1326, 0.1837, 0.5292



12.1326, 0.0907, 0.2233

Sweetspot

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



12.1333, 0.4090, 0.2027



52.7608, 0.3332, 0.2741



4.2980, 0.1682, 0.0701



10.7858, 0.3368, 0.2664



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



12.1333, 0.4090, 0.2027



21.9461, 0.4108, 0.2037



10.5957, 0.6029, 0.3095



9.1179, 0.3180, 0.3128



8.1754, 0.4076, 0.2019



0.2983, 0.3805, 0.1870

Inverse Universe

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



12.1333, 0.4090, 0.2027



21.9461, 0.4108, 0.2037



37.1789, 0.2444, 0.4000



9.1179, 0.3180, 0.3128



8.1754, 0.4076, 0.2019



0.2983, 0.3805, 0.1870

Previews

White Background



This preview shows how the Yxy color 12.1326, 0.4090, 0.2027 looks on a white background.

Color Contrast Check

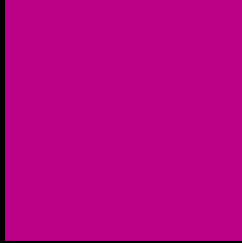
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1326, 0.4090, 0.2027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

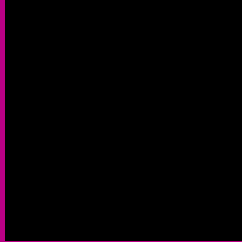
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1326, 0.4090, 0.2027

Background



This preview shows how black text looks on a background with the Yxy color 12.1326, 0.4090, 0.2027.



This preview shows how white text looks on a background with the Yxy color 12.1326, 0.4090, 0.2027.

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

12.1326, 0.4090, 0.2027

Protanopia

12.9016, 0.1906, 0.1664

Deuteranopia

12.7873, 0.2794, 0.2739



Tritanopia

12.4351, 0.5444, 0.3264

Trichromacy



Original Color

12.1326, 0.4090, 0.2027



Protanomaly

8.9625, 0.2281, 0.1457



Deuteranomaly

9.7234, 0.3232, 0.2130



Tritanomaly

11.6573, 0.5051, 0.2752

Monochromacy



Original Color

12.1326, 0.4090, 0.2027



Achromatopsia

6.3010, 0.3127, 0.3290



Achromatomaly

6.1956, 0.3587, 0.2275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1326, 0.4090, 0.2027 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(186, 0, 133)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 133)  
}
```

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(186, 0, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 133) }
```

Border

The CSS property to change the border of an element to Yxy 12.1326, 0.4090, 0.2027 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(186, 0, 133) }
```

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

```
.border{ border-color:rgb(186, 0, 133) }
```

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

Here you see how a box with a 4 pixel rgb(186, 0, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 133);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1326, 0.4090, 0.2027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 133) }
```

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

```
.background{ background-color: rgb(186, 0,  
133) }
```

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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