

Converting Colors

$Y_{xy}(9.4540, 0.3852, 0.1477)$

Have a look what the booklet for
Yxy(9.4540, 0.3852, 0.1477)
contains.

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Color

Yxy(12.9257, 0.3780, 0.1856)

Conversions

Conversions Part 1

Format	Color
Hex	BC0097
RGB	188, 0, 151
RGB Percent	74%, 0%, 59%
CMY	0.2628, 0.9999, 0.4078
CMYK	0.00, 1.00, 0.20, 0.26
HSL	312°, 100%, 37%
HSV	312°, 100%, 74%
XYZ	26.3250, 12.9257, 30.3921
YIQ	73.4260, 63.5770, 86.8170

Conversions

Conversions Part 2

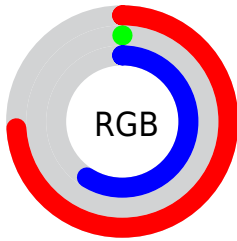
Format	Color
RYB	188, 0, 151
Decimal	12320919
CIELab	42.65, 73.12, -29.58
CIELCh	43, 78.874, 337.971
Yxy	12.9257, 0.3780, 0.1856
Android (android.graphics.Color)	4290510999 (0xFFBC0097)
YUV	73.4260, 38.2440, 100.4814
Hunter-Lab	35.9523, 67.7845, -24.9539

Details

The Yxy color **12.9257, 0.3780, 0.1856** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **36.0983, 0.2946, 0.5807**, and the grayscale version is **6.6682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2291, 0.3645, 0.2137**, and **5.6659, 0.3872, 0.1907** is the 20% darker color. If you saturate the color by 10%, you get **12.9254, 0.3780, 0.1856**, and if you desaturate by 10%, it is **13.5079, 0.3708, 0.1865**.

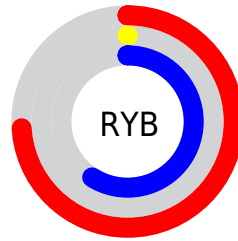
Distribution



Red (74%)

Green (0%)

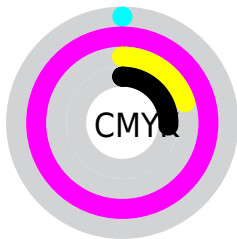
Blue (59%)



Red (74%)

Yellow (0%)

Blue (59%)

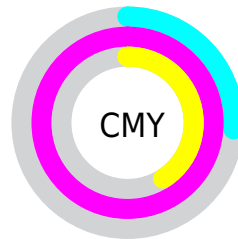


Cyan (0%)

Magenta (100%)

Yellow (20%)

Black (26%)



Cyan (26%)


Magenta (100%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.9257, 0.3780, 0.1856 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 12.9257, 0.3780, 0.1856 by changing the saturation by 10% instead.


 12.9257, 0.3780,
0.1856


 12.9257, 0.3780,
0.1856


210.4409, 0.3436,
0.2614


 7.3774, 0.3869,
0.1659


 31.1702, 0.3652,
0.2139


 3.6992, 0.3983,
0.1407


 44.6353, 0.3605,
0.2243


 1.5068, 0.4130,
0.1077

 61.5080, 0.3565,
0.2330

 0.2935, 0.4403,
0.0470

 82.1728, 0.3531,
0.2404

 0.0000, 0.4604,
0.0000

 107.0141, 0.3502,
0.2468

 0.0000, 0.0000,
0.0000

 136.4163, 0.3477,

0.2523

170.7638, 0.3455,
0.2571

■ 12.9257, 0.3780,
0.1856

■ 12.9257, 0.3780,
0.1856

■ 12.9254, 0.3780,
0.1856

■ 13.5079, 0.3708,
0.1865

■ 14.5365, 0.3633,
0.1912

■ 16.1738, 0.3556,
0.2004

■ 18.5007, 0.3480,
0.2136

■ 21.5855, 0.3406,
0.2301

■ 25.4886, 0.3337,
0.2488

■ 30.2639, 0.3275,
0.2688

■ 35.9610, 0.3219,
0.2893

■ 42.6257, 0.3170,
0.3095

Harmonies

Analogous

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



12.9257, 0.2237, 0.1390



12.9257, 0.3780, 0.1856



12.9257, 0.5460, 0.2561

Triad

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



12.9257, 0.3780, 0.1856



12.9257, 0.4543, 0.5457



12.9257, 0.0826, 0.2026

Complementary

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



12.9257, 0.3780, 0.1856



36.0983, 0.2946, 0.5807

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.



12.9257, 0.1122, 0.3577



12.9257, 0.3780, 0.1856



12.9257, 0.3209, 0.6398

Square

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



12.9257, 0.3780, 0.1856



12.9257, 0.5693, 0.4297



12.9257, 0.1977, 0.5791



12.9257, 0.0906, 0.1384

Rectangle

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



12.9257, 0.3780, 0.1856



12.9257, 0.6069, 0.3077



12.9257, 0.1977, 0.5791



12.9257, 0.0874, 0.2418

Sweetspot

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



12.9264, 0.3780, 0.1856



54.3715, 0.3278, 0.2678



3.9799, 0.1584, 0.0646



10.8723, 0.3304, 0.2593



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.



12.9264, 0.3780, 0.1856



23.3912, 0.3791, 0.1862



11.0131, 0.5705, 0.2917



9.6632, 0.3167, 0.3108



8.8114, 0.3772, 0.1851



0.3535, 0.3614, 0.1764

Inverse Universe

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



12.9264, 0.3780, 0.1856



23.3912, 0.3791, 0.1862



37.5357, 0.2544, 0.4358



9.6632, 0.3167, 0.3108



8.8114, 0.3772, 0.1851



0.3535, 0.3614, 0.1764

Previews

White Background



This preview shows how the Yxy color 12.9257, 0.3780, 0.1856 looks on a white background.

Color Contrast Check

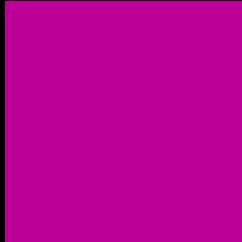
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9257, 0.3780, 0.1856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

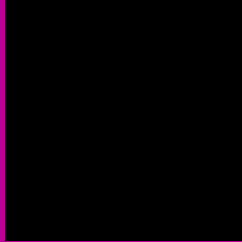
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9257, 0.3780, 0.1856

Background



This preview shows how black text looks on a background with the Yxy color 12.9257, 0.3780, 0.1856.



This preview shows how white text looks on a background with the Yxy color 12.9257, 0.3780, 0.1856.

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

12.9257, 0.3780, 0.1856

Protanopia

13.6771, 0.1737, 0.1454

Deuteranopia

13.6799, 0.2530, 0.2482



Tritanopia

13.3106, 0.5253, 0.3249

Trichromacy



Original Color

12.9257, 0.3780, 0.1856



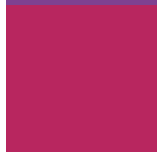
Protanomaly

8.5017, 0.1879, 0.1187



Deuteranomaly

10.2605, 0.2900, 0.1907



Tritanomaly

12.4028, 0.4797, 0.2641

Monochromacy



Original Color

12.9257, 0.3780, 0.1856



Achromatopsia

6.6626, 0.3127, 0.3290



Achromatomaly

6.5384, 0.3470, 0.2182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9257, 0.3780, 0.1856 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(188, 0, 151)` looks like.

```
.text, #text, p{  
  color:rgb(188, 0, 151)  
}
```

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(188, 0, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 0, 151) }
```

Border

The CSS property to change the border of an element to Yxy 12.9257, 0.3780, 0.1856 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(188, 0, 151) }
```

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

```
.border{ border-color:rgb(188, 0, 151) }
```

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

Here you see how a box with a 4 pixel rgb(188, 0, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 0, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 0, 151);  
box-shadow:4px 4px 4px 4px rgb(188, 0,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9257, 0.3780, 0.1856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 0, 151) }
```

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

```
.background{ background-color: rgb(188, 0,  
151) }
```

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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