

Converting Colors

$Yxy(12.4903, 0.3687, 0.1805)$

Have a look what the booklet for
Yxy(12.4903, 0.3687, 0.1805)
contains.

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Color

Yxy(12.4903, 0.3687, 0.1805)

Conversions

Conversions Part 1

Format	Color
Hex	B80099
RGB	184, 0, 153
RGB Percent	72%, 0%, 60%
CMY	0.2785, 0.9995, 0.4001
CMYK	0.00, 1.00, 0.17, 0.28
HSL	310°, 100%, 36%
HSV	310°, 100%, 72%
XYZ	25.5134, 12.4903, 31.1946
YIQ	72.4580, 60.5510, 86.5910

Conversions

Conversions Part 2

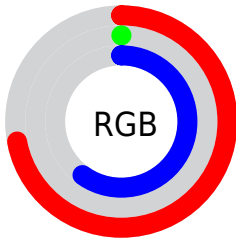
Format	Color
RYB	184, 0, 153
Decimal	12058777
CIELab	41.98, 72.60, -31.87
CIElCh	42, 79.290, 336.298
Yxy	12.4903, 0.3687, 0.1805
Android (android.graphics.Color)	4290248857 (0xFFB80099)
YUV	72.4580, 39.7072, 97.8223
Hunter-Lab	35.3416, 67.0129, -27.5937

Details

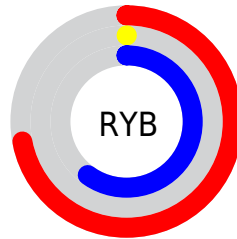
The Yxy color **12.4903, 0.3687, 0.1805** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **34.3765, 0.2958, 0.5847**, and the grayscale version is **6.4985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4427, 0.3581, 0.2096**, and **5.3752, 0.3764, 0.1847** is the 20% darker color. If you saturate the color by 10%, you get **12.4874, 0.3687, 0.1805**, and if you desaturate by 10%, it is **13.0419, 0.3627, 0.1820**.

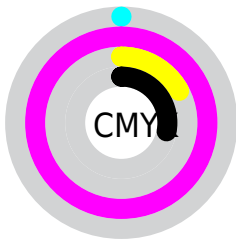
Distribution



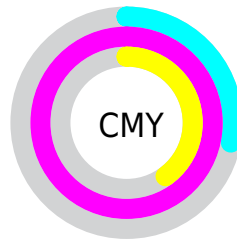
- Red (72%)
- Green (0%)
- Blue (60%)



- Red (72%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (17%)
- Black (28%)





- Cyan (28%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.4903, 0.3687, 0.1805 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 12.4903, 0.3687, 0.1805 by changing the saturation by 10% instead.


 12.4903, 0.3687,
0.1805


 12.4903, 0.3687,
0.1805


 207.6247, 0.3400,
0.2588


 7.0785, 0.3757,
0.1603


 30.3850, 0.3583,
0.2096


 3.5113, 0.3844,
0.1345


 43.6367, 0.3543,
0.2204


 1.4041, 0.3949,
0.1011

 60.2705, 0.3510,
0.2294

 0.2198, 0.4165,
0.0356

 80.6708, 0.3481,
0.2371

 0.0000, 0.4187,
0.0000

 105.2220, 0.3457,
0.2437

 0.0000, 0.0000,
0.0000

 134.3084, 0.3435,

0.2494

168.3145, 0.3416,
0.2544

■ 12.4903, 0.3687,
0.1805

■ 12.4903, 0.3687,
0.1805

■ 12.4874, 0.3687,
0.1805

■ 13.0419, 0.3627,
0.1820

■ 14.0171, 0.3564,
0.1871

■ 15.5712, 0.3500,
0.1968

■ 17.7806, 0.3435,
0.2104

■ 20.7102, 0.3372,
0.2274

■ 24.4169, 0.3312,
0.2466

■ 28.9520, 0.3258,
0.2671

■ 34.3624, 0.3208,
0.2881

■ 40.6914, 0.3165,
0.3090

Harmonies

Analogous

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



12.4903, 0.2156, 0.1353



12.4903, 0.3687, 0.1805



12.4903, 0.5419, 0.2505

Triad

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



12.4903, 0.3687, 0.1805



12.4903, 0.4608, 0.5392



12.4903, 0.0809, 0.2063

Complementary

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



12.4903, 0.3687, 0.1805



34.3765, 0.2958, 0.5847

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.



12.4903, 0.1128, 0.3699



12.4903, 0.3687, 0.1805



12.4903, 0.3271, 0.6424

Square

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



12.4903, 0.3687, 0.1805



12.4903, 0.5767, 0.4233



12.4903, 0.2016, 0.5939



12.4903, 0.0873, 0.1383

Rectangle

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



12.4903, 0.3687, 0.1805



12.4903, 0.6082, 0.3020



12.4903, 0.2016, 0.5939



12.4903, 0.0863, 0.2478

Sweetspot

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



12.4909, 0.3687, 0.1805



51.9783, 0.3261, 0.2659



3.7508, 0.1573, 0.0641



10.4314, 0.3283, 0.2572



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.



12.4909, 0.3687, 0.1805



22.6091, 0.3696, 0.1810



10.5331, 0.5638, 0.2880



9.1360, 0.3162, 0.3102



8.6165, 0.3681, 0.1801



0.3107, 0.3540, 0.1724

Inverse Universe

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



12.4909, 0.3687, 0.1805



22.6091, 0.3696, 0.1810



35.6995, 0.2560, 0.4416



9.1360, 0.3162, 0.3102



8.6165, 0.3681, 0.1801



0.3107, 0.3540, 0.1724

Previews

White Background



This preview shows how the Yxy color 12.4903, 0.3687, 0.1805 looks on a white background.

Color Contrast Check

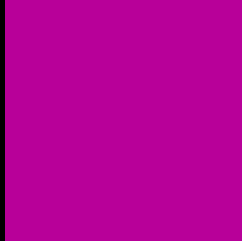
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4903, 0.3687, 0.1805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

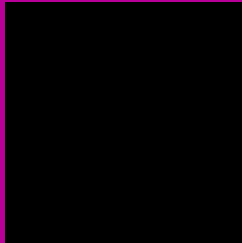
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4903, 0.3687, 0.1805

Background



This preview shows how black text looks on a background with the Yxy color 12.4903, 0.3687, 0.1805.



This preview shows how white text looks on a background with the Yxy color 12.4903, 0.3687, 0.1805.

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

12.4903, 0.3687, 0.1805

Protanopia

13.2894, 0.1742, 0.1469

Deuteranopia

13.0759, 0.2462, 0.2411



Tritanopia

12.8320, 0.5173, 0.3246

Trichromacy



Original Color

12.4903, 0.3687, 0.1805



Protanomaly

8.2694, 0.1877, 0.1184



Deuteranomaly

9.9110, 0.2814, 0.1844



Tritanomaly

11.8145, 0.4710, 0.2601

Monochromacy



Original Color

12.4903, 0.3687, 0.1805



Achromatopsia

6.6626, 0.3127, 0.3290



Achromatomaly

6.5031, 0.3407, 0.2167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4903, 0.3687, 0.1805 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(184, 0, 153)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 153)  
}
```

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(184, 0, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 153) }
```

Border

The CSS property to change the border of an element to Yxy 12.4903, 0.3687, 0.1805 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(184, 0, 153) }
```

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

```
.border{ border-color:rgb(184, 0, 153) }
```

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

Here you see how a box with a 4 pixel rgb(184, 0, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 153);  
box-shadow:4px 4px 4px 4px rgb(184, 0,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4903, 0.3687, 0.1805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 0, 153) }
```

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

```
.background{ background-color: rgb(184, 0,  
153) }
```

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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