

Converting Colors

$Yxy(12.7176, 0.3719, 0.1872)$

Have a look what the booklet for
Yxy(12.7176, 0.3719, 0.1872)
contains.

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Color

Yxy(12.7019, 0.3717, 0.1870)

Conversions

Conversions Part 1

Format	Color
Hex	B71296
RGB	183, 18, 150
RGB Percent	72%, 7%, 59%
CMY	0.2824, 0.9292, 0.4118
CMYK	0.00, 0.90, 0.18, 0.28
HSL	312°, 82%, 39%
HSV	312°, 90%, 72%
XYZ	25.2476, 12.7019, 29.9751
YIQ	82.3830, 55.9680, 76.0320

Conversions

Conversions Part 2

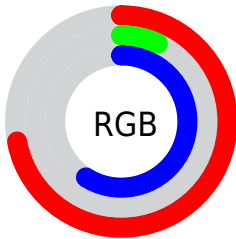
Format	Color
R_{YB}	183, 18, 150
Decimal	11997846
CIE _{Lab}	42.31, 70.07, -29.57
CIE _{LCh}	42, 76.058, 337.121
Yxy	12.7019, 0.3717, 0.1870
Android (android.graphics.Color)	4290187926 (0xFFB71296)
YUV	82.3830, 33.3352, 88.2411
Hunter-Lab	35.6397, 64.0818, -24.9186

Details

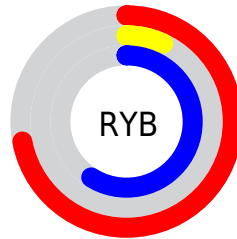
The Yxy color **12.7019, 0.3717, 0.1870** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **34.2308, 0.2923, 0.5628**, and the grayscale version is **8.4491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7748, 0.3601, 0.2146**, and **5.2608, 0.3794, 0.1864** is the 20% darker color. If you saturate the color by 10%, you get **12.1532, 0.3790, 0.1861**, and if you desaturate by 10%, it is **13.6715, 0.3641, 0.1916**.

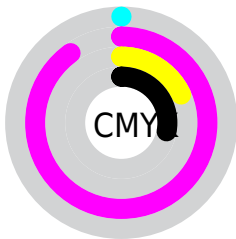
Distribution



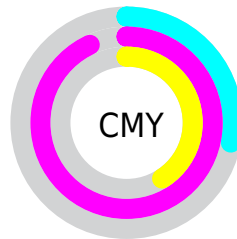
- Red (72%)
- Green (7%)
- Blue (59%)



- Red (72%)
- Yellow (7%)
- Blue (59%)



- Cyan (0%)
- Magenta (90%)
- Yellow (18%)
- Black (28%)





- Cyan (28%)
- Magenta (93%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7019, 0.3717, 0.1870 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 12.7019, 0.3717, 0.1870 by changing the saturation by 10% instead.


 12.7019, 0.3717,
0.1870


 12.7019, 0.3717,
0.1870


 208.9983, 0.3408,
0.2624


 7.2236, 0.3796,
0.1673


 30.7672, 0.3603,
0.2152


 3.6023, 0.3896,
0.1418


 44.1230, 0.3560,
0.2256

 1.4537, 0.4023,
0.1085

 60.8733, 0.3524,
0.2343

 0.2558, 0.4276,
0.0435

 81.4027, 0.3494,
0.2416

 0.0000, 0.4395,
0.0000

 106.0955, 0.3468,
0.2480

 0.0000, 0.0000,
0.0000

 135.3361, 0.3445,

0.2534

169.5089, 0.3425,
0.2582

■ 12.7019, 0.3717,
0.1870

■ 12.7019, 0.3717,
0.1870

■ 12.1532, 0.3790,
0.1861

■ 13.6715, 0.3641,
0.1916

■ 15.2115, 0.3563,
0.2008

■ 17.3983, 0.3485,
0.2140

■ 20.2961, 0.3411,
0.2304

■ 23.9611, 0.3341,
0.2490

■ 28.4441, 0.3277,
0.2689

■ 33.7915, 0.3221,
0.2892

■ 40.0460, 0.3171,
0.3093

■ 47.2479, 0.3128,
0.3288

Harmonies

Analogous

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



12.7019, 0.2227, 0.1417



12.7019, 0.3717, 0.1870



12.7019, 0.5358, 0.2564

Triad

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



12.7019, 0.3717, 0.1870



12.7019, 0.4587, 0.5413



12.7019, 0.0868, 0.2092

Complementary

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



12.7019, 0.3717, 0.1870



34.2308, 0.2923, 0.5628

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.



12.7019, 0.1184, 0.3636



12.7019, 0.3717, 0.1870



12.7019, 0.3271, 0.6302

Square

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



12.7019, 0.3717, 0.1870



12.7019, 0.5664, 0.4268



12.7019, 0.2050, 0.5749



12.7019, 0.0936, 0.1434

Rectangle

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



12.7019, 0.3717, 0.1870



12.7019, 0.5981, 0.3077



12.7019, 0.2050, 0.5749



12.7019, 0.0922, 0.2488

Sweetspot

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



12.7026, 0.3717, 0.1870



53.3638, 0.3261, 0.2743



4.5582, 0.1693, 0.0762



11.1153, 0.3282, 0.2674



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.



12.7026, 0.3717, 0.1870



21.7356, 0.3801, 0.1867



10.9123, 0.5453, 0.2865



9.1311, 0.3167, 0.3109



8.4894, 0.3782, 0.1857



0.3072, 0.3608, 0.1761

Inverse Universe

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



12.7026, 0.3717, 0.1870



21.7356, 0.3801, 0.1867



35.6989, 0.2515, 0.4186



9.1311, 0.3167, 0.3109



8.4894, 0.3782, 0.1857



0.3072, 0.3608, 0.1761

Previews

White Background



This preview shows how the Yxy color 12.7019, 0.3717, 0.1870 looks on a white background.

Color Contrast Check

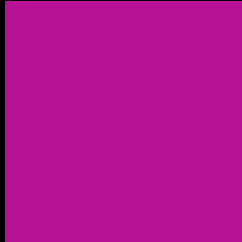
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7019, 0.3717, 0.1870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

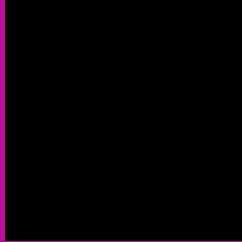
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7019, 0.3717, 0.1870

Background



This preview shows how black text looks on a background with the Yxy color 12.7019, 0.3717, 0.1870.



This preview shows how white text looks on a background with the Yxy color 12.7019, 0.3717, 0.1870.

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

12.7019, 0.3717, 0.1870

Protanopia

13.2894, 0.1742, 0.1469

Deuteranopia

13.1121, 0.2501, 0.2450



Tritanopia

12.9378, 0.5163, 0.3259

Trichromacy



Original Color

12.7019, 0.3717, 0.1870



Protanomaly

9.0374, 0.1902, 0.1282



Deuteranomaly

10.6049, 0.2871, 0.1978



Tritanomaly

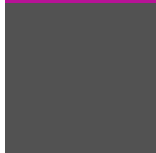
12.2867, 0.4700, 0.2674

Monochromacy



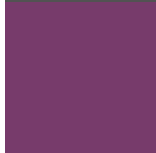
Original Color

12.7019, 0.3717, 0.1870



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

8.1114, 0.3399, 0.2332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7019, 0.3717, 0.1870 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(183, 18, 150)` looks like.

```
.text, #text, p{  
    color:rgb(183, 18, 150)  
}
```

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(183, 18, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 18, 150) }
```

Border

The CSS property to change the border of an element to Yxy 12.7019, 0.3717, 0.1870 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(183, 18, 150) }
```

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

```
.border{ border-color:rgb(183, 18, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 18, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 18, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 18, 150);  
box-shadow:4px 4px 4px 4px rgb(183, 18,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7019, 0.3717, 0.1870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 18, 150) }
```

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

```
.background{ background-color: rgb(183, 18,  
150) }
```

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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