

Converting Colors

$Yxy(11.8037, 0.3829, 0.1883)$

Have a look what the booklet for
Yxy(11.8037, 0.3829, 0.1883)
contains.

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Color

Yxy(11.8069, 0.3823, 0.1879)

Conversions

Conversions Part 1

Format	Color
Hex	B5008F
RGB	181, 0, 143
RGB Percent	71%, 0%, 56%
CMY	0.2900, 1.0000, 0.4391
CMYK	0.00, 1.00, 0.21, 0.29
HSL	313°, 100%, 35%
HSV	313°, 100%, 71%
XYZ	24.0222, 11.8069, 27.0069
YIQ	70.4210, 61.9730, 82.8450

Conversions

Conversions Part 2

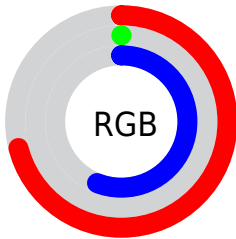
Format	Color
R_{YB}	181, 0, 143
Decimal	11862159
CIE _{Lab}	40.91, 70.84, -27.54
CIE _{LCh}	41, 76.003, 338.751
Yxy	11.8069, 0.3823, 0.1879
Android (android.graphics.Color)	4290052239 (0xFFB5008F)
YUV	70.4210, 35.7814, 96.9778
Hunter-Lab	34.3612, 64.6591, -22.5475

Details

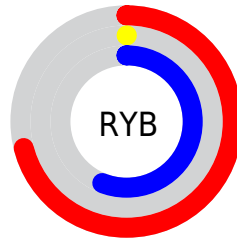
The Yxy color **11.8069, 0.3823, 0.1879** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **33.2047, 0.2939, 0.5781**, and the grayscale version is **6.1324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2290, 0.3683, 0.2170**, and **4.9837, 0.3939, 0.1944** is the 20% darker color. If you saturate the color by 10%, you get **11.8125, 0.3823, 0.1880**, and if you desaturate by 10%, it is **12.3657, 0.3745, 0.1887**.

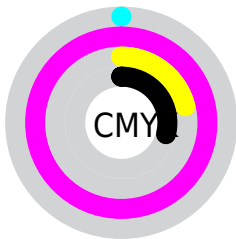
Distribution



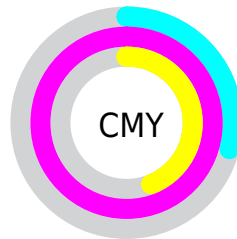
- Red (71%)
- Green (0%)
- Blue (56%)



- Red (71%)
- Yellow (0%)
- Blue (56%)



- Cyan (0%)
- Magenta (100%)
- Yellow (21%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8069, 0.3823, 0.1879 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 11.8069, 0.3823, 0.1879 by changing the saturation by 10% instead.


 11.8069, 0.3823,
0.1879


 11.8069, 0.3823,
0.1879

203.1227, 0.3447,
0.2638


 6.6123, 0.3924,
0.1677


 29.1429, 0.3680,
0.2166


 3.2209, 0.4057,
0.1414


 42.0532, 0.3628,
0.2270

 1.2481, 0.4235,
0.1066

 58.3041, 0.3585,
0.2358

 0.1005, 0.4665,
0.0208

 78.2801, 0.3549,
0.2431

 0.0000, 0.4821,
0.0000

 102.3655, 0.3518,
0.2494

 0.0000, 0.0000,
0.0000

 130.9449, 0.3491,

0.2549

164.4025, 0.3467,
0.2596

■ 11.8069, 0.3823,
0.1879

■ 11.8069, 0.3823,
0.1879

■ 11.8125, 0.3823,
0.1880

■ 12.3657, 0.3745,
0.1887

■ 13.3253, 0.3664,
0.1933

■ 14.8436, 0.3581,
0.2024

■ 16.9940, 0.3500,
0.2155

■ 19.8389, 0.3421,
0.2317

■ 23.4332, 0.3348,
0.2502

■ 27.8261, 0.3282,
0.2699

■ 33.0627, 0.3223,
0.2900

■ 39.1847, 0.3172,
0.3098

Harmonies

Analogous

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



11.8069, 0.2275, 0.1406



11.8069, 0.3823, 0.1879



11.8069, 0.5480, 0.2587

Triad

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



11.8069, 0.3823, 0.1879



11.8069, 0.4512, 0.5488



11.8069, 0.0833, 0.2008

Complementary

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



11.8069, 0.3823, 0.1879



33.2047, 0.2939, 0.5781

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.



11.8069, 0.1118, 0.3523



11.8069, 0.3823, 0.1879



11.8069, 0.3182, 0.6392

Square

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



11.8069, 0.3823, 0.1879



11.8069, 0.5667, 0.4333



11.8069, 0.1957, 0.5724



11.8069, 0.0920, 0.1384

Rectangle

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



11.8069, 0.3823, 0.1879



11.8069, 0.6063, 0.3102



11.8069, 0.1957, 0.5724



11.8069, 0.0878, 0.2391

Sweetspot

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



11.8125, 0.3823, 0.1880



49.3816, 0.3285, 0.2689



3.7167, 0.1599, 0.0655



9.9366, 0.3312, 0.2606



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



11.8125, 0.3823, 0.1880



21.1109, 0.3835, 0.1886



10.0980, 0.5759, 0.2946



8.6155, 0.3168, 0.3112



8.1495, 0.3814, 0.1875



0.2641, 0.3615, 0.1765

Inverse Universe

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



11.8125, 0.3823, 0.1880



21.1109, 0.3835, 0.1886



34.5898, 0.2527, 0.4296



8.6155, 0.3168, 0.3112



8.1495, 0.3814, 0.1875



0.2641, 0.3615, 0.1765

Previews

White Background



This preview shows how the Yxy color 11.8069, 0.3823, 0.1879 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 11.8069, 0.3823, 0.1879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

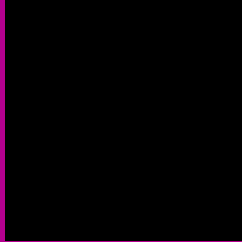
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8069, 0.3823, 0.1879

Background



This preview shows how black text looks on a background with the Yxy color 11.8069, 0.3823, 0.1879.



This preview shows how white text looks on a background with the Yxy color 11.8069, 0.3823, 0.1879.

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

11.8069, 0.3823, 0.1879

Protanopia

12.5543, 0.1749, 0.1465

Deuteranopia

12.5804, 0.2575, 0.2532



Tritanopia

12.1428, 0.5278, 0.3260

Trichromacy



Original Color

11.8069, 0.3823, 0.1879



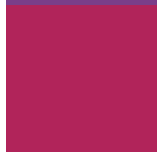
Protanomaly

7.9456, 0.1938, 0.1219



Deuteranomaly

9.3890, 0.2948, 0.1941



Tritanomaly

11.3470, 0.4823, 0.2655

Monochromacy



Original Color

11.8069, 0.3823, 0.1879



Achromatopsia

6.1246, 0.3127, 0.3290



Achromatomaly

6.0548, 0.3457, 0.2197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8069, 0.3823, 0.1879 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(181, 0, 143)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 143)  
}
```

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(181, 0, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 143) }
```

Border

The CSS property to change the border of an element to Yxy 11.8069, 0.3823, 0.1879 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(181, 0, 143) }
```

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

```
.border{ border-color:rgb(181, 0, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 0, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 143);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8069, 0.3823, 0.1879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 143) }
```

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

```
.background{ background-color: rgb(181, 0,  
143) }
```

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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