

Converting Colors

$Y_{xy}(11.8682, 0.3875, 0.1908)$

Have a look what the booklet for
Yxy(11.8682, 0.3875, 0.1908)
contains.

Yxy(11.8682, 0.3875, 0.1908)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.8682, 0.3875, 0.1908)

Conversions

Conversions Part 1

Format	Color
Hex	B6008D
RGB	182, 0, 141
RGB Percent	71%, 0%, 55%
CMY	0.2862, 1.0000, 0.4469
CMYK	0.00, 1.00, 0.23, 0.29
HSL	314°, 100%, 36%
HSV	314°, 100%, 71%
XYZ	24.1034, 11.8682, 26.2307
YIQ	70.4920, 63.2110, 82.4350

Conversions

Conversions Part 2

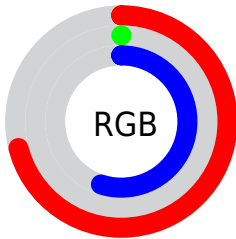
Format	Color
RYB	182, 0, 141
Decimal	11927693
CIELab	41.01, 70.77, -26.16
CIELCh	41, 75.448, 339.713
Yxy	11.8682, 0.3875, 0.1908
Android (android.graphics.Color)	4290117773 (0xFFB6008D)
YUV	70.4920, 34.7604, 97.7925
Hunter-Lab	34.4503, 64.6010, -21.0287

Details

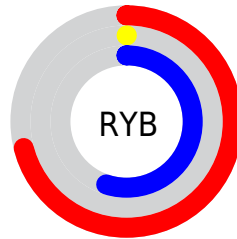
The Yxy color **11.8682, 0.3875, 0.1908** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **33.6221, 0.2932, 0.5754**, and the grayscale version is **6.1452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3144, 0.3719, 0.2193**, and **5.0233, 0.4017, 0.1986** is the 20% darker color. If you saturate the color by 10%, you get **11.8709, 0.3875, 0.1908**, and if you desaturate by 10%, it is **12.4344, 0.3789, 0.1913**.

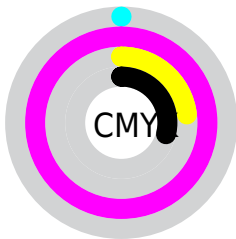
Distribution



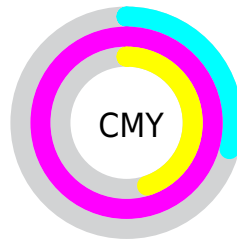
- Red (71%)
- Green (0%)
- Blue (55%)



- Red (71%)
- Yellow (0%)
- Blue (55%)



- Cyan (0%)
- Magenta (100%)
- Yellow (23%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8682, 0.3875, 0.1908 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 11.8682, 0.3875, 0.1908 by changing the saturation by 10% instead.

 11.8682, 0.3875,
0.1908


 11.8682, 0.3875,
0.1908


 203.5308, 0.3466,
0.2654


 6.6540, 0.3988,
0.1708


 29.2548, 0.3718,
0.2191


 3.2467, 0.4137,
0.1447


 42.1960, 0.3662,
0.2294

 1.2618, 0.4342,
0.1099

 58.4817, 0.3615,
0.2379

 0.1114, 0.4828,
0.0236

 78.4962, 0.3575,
0.2451

 0.0000, 0.5119,
0.0000

 102.6240, 0.3542,
0.2513

 0.0000, 0.0000,
0.0000

 131.2494, 0.3513,

0.2567

164.7569, 0.3488,
0.2613

■ 11.8682, 0.3875,
0.1908

■ 11.8682, 0.3875,
0.1908

■ 11.8709, 0.3875,
0.1908

■ 12.4344, 0.3789,
0.1913

■ 13.4104, 0.3701,
0.1956

■ 14.9525, 0.3612,
0.2044

■ 17.1354, 0.3524,
0.2173

■ 20.0220, 0.3440,
0.2333

■ 23.6681, 0.3362,
0.2515

■ 28.1236, 0.3291,
0.2709

■ 33.4342, 0.3229,
0.2907

■ 39.6422, 0.3174,
0.3102

Harmonies

Analogous

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



11.8682, 0.2321, 0.1427



11.8682, 0.3875, 0.1908



11.8682, 0.5501, 0.2618

Triad

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



11.8682, 0.3875, 0.1908



11.8682, 0.4476, 0.5524



11.8682, 0.0842, 0.1989

Complementary

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



11.8682, 0.3875, 0.1908



33.6221, 0.2932, 0.5754

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.



11.8682, 0.1115, 0.3459



11.8682, 0.3875, 0.1908



11.8682, 0.3148, 0.6377

Square

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



11.8682, 0.3875, 0.1908



11.8682, 0.5628, 0.4372



11.8682, 0.1935, 0.5639



11.8682, 0.0939, 0.1385

Rectangle

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



11.8682, 0.3875, 0.1908



11.8682, 0.6054, 0.3134



11.8682, 0.1935, 0.5639



11.8682, 0.0884, 0.2359

Sweetspot

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



11.8709, 0.3875, 0.1908



50.5320, 0.3295, 0.2699



3.8179, 0.1614, 0.0663



10.3775, 0.3324, 0.2617



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.



11.8709, 0.3875, 0.1908



21.4805, 0.3888, 0.1916



10.1910, 0.5818, 0.2979



9.1272, 0.3171, 0.3115



8.3919, 0.3866, 0.1903



0.3045, 0.3665, 0.1793

Inverse Universe

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



11.8709, 0.3875, 0.1908



21.4805, 0.3888, 0.1916



35.0857, 0.2510, 0.4236



9.1272, 0.3171, 0.3115



8.3919, 0.3866, 0.1903



0.3045, 0.3665, 0.1793

Previews

White Background



This preview shows how the Yxy color 11.8682, 0.3875, 0.1908 looks on a white background.

Color Contrast Check

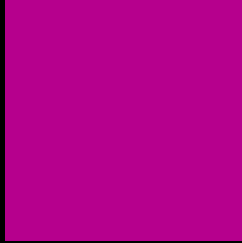
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.8682, 0.3875, 0.1908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

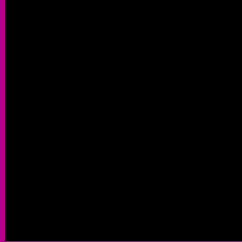
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8682, 0.3875, 0.1908

Background



This preview shows how black text looks on a background with the Yxy color 11.8682, 0.3875, 0.1908.



This preview shows how white text looks on a background with the Yxy color 11.8682, 0.3875, 0.1908.

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

11.8682, 0.3875, 0.1908

Protanopia

12.7425, 0.1785, 0.1516

Deuteranopia

12.6255, 0.2619, 0.2573



Tritanopia

12.2478, 0.5306, 0.3273

Trichromacy



Original Color

11.8682, 0.3875, 0.1908



Protanomaly

8.3860, 0.2036, 0.1285



Deuteranomaly

9.4796, 0.3009, 0.1980



Tritanomaly

11.4313, 0.4880, 0.2688

Monochromacy



Original Color

11.8682, 0.3875, 0.1908



Achromatopsia

6.1246, 0.3127, 0.3290



Achromatomaly

6.1008, 0.3500, 0.2223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8682, 0.3875, 0.1908 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(182, 0, 141)` looks like.

```
.text, #text, p{  
    color:rgb(182, 0, 141)  
}
```

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(182, 0, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 0, 141) }
```

Border

The CSS property to change the border of an element to Yxy 11.8682, 0.3875, 0.1908 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(182, 0, 141) }
```

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

```
.border{ border-color:rgb(182, 0, 141) }
```

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

Here you see how a box with a 4 pixel rgb(182, 0, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 0, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 0, 141);  
box-shadow:4px 4px 4px 4px rgb(182, 0,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8682, 0.3875, 0.1908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 0, 141) }
```

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

```
.background{ background-color: rgb(182, 0,  
141) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor