

Converting Colors

$Y_{xy}(5.7237, 0.4031, 0.1112)$

Have a look what the booklet for
Yxy(5.7237, 0.4031, 0.1112)
contains.

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Color

Yxy(11.7172, 0.3879, 0.1911)

Conversions

Conversions Part 1

Format	Color
Hex	B5008C
RGB	181, 0, 140
RGB Percent	71%, 0%, 55%
CMY	0.2903, 0.9992, 0.4510
CMYK	0.00, 1.00, 0.23, 0.29
HSL	314°, 100%, 36%
HSV	314°, 100%, 71%
XYZ	23.7839, 11.7172, 25.8134
YIQ	70.0790, 62.9360, 81.9120

Conversions

Conversions Part 2

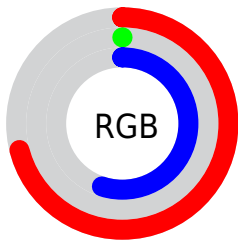
Format	Color
RYB	181, 0, 140
Decimal	11862156
CIELab	40.76, 70.41, -25.91
CIELCh	41, 75.027, 339.793
Yxy	11.7172, 0.3879, 0.1911
Android (android.graphics.Color)	4290052236 (0xFFB5008C)
YUV	70.0790, 34.4711, 97.2777
Hunter-Lab	34.2304, 64.1218, -20.7498

Details

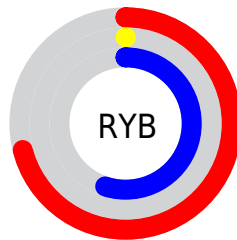
The Yxy color **11.7172, 0.3879, 0.1911** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **33.1991, 0.2930, 0.5748**, and the grayscale version is **6.0914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0928, 0.3720, 0.2197**, and **4.9322, 0.4024, 0.1990** is the 20% darker color. If you saturate the color by 10%, you get **11.7121, 0.3880, 0.1911**, and if you desaturate by 10%, it is **12.2791, 0.3793, 0.1916**.

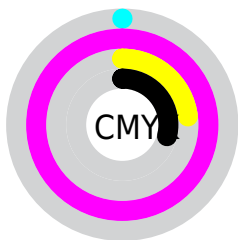
Distribution



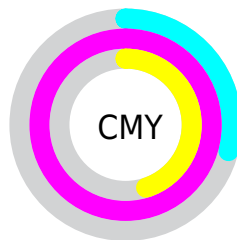
- Red (71%)
- Green (0%)
- Blue (55%)



- 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 11.7172, 0.3879, 0.1911 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 11.7172, 0.3879, 0.1911 by changing the saturation by 10% instead.


 11.7172, 0.3879,
0.1911


 11.7172, 0.3879,
0.1911


202.5240, 0.3466,
0.2657


 6.5514, 0.3993,
0.1710


 28.9790, 0.3720,
0.2194


 3.1832, 0.4145,
0.1447


 41.8438, 0.3663,
0.2297

 1.2281, 0.4354,
0.1097

 58.0437, 0.3616,
0.2383

 0.0845, 0.4869,
0.0186

 77.9631, 0.3577,
0.2455

 0.0000, 0.5168,
0.0000

 101.9865, 0.3543,
0.2517

 0.0000, 0.0000,
0.0000

 130.4982, 0.3514,

0.2570

163.8825, 0.3489,
0.2616

■ 11.7172, 0.3879,
0.1911

■ 11.7172, 0.3879,
0.1911

■ 11.7121, 0.3880,
0.1911

■ 12.2791, 0.3793,
0.1916

■ 13.2505, 0.3704,
0.1959

■ 14.7817, 0.3614,
0.2048

■ 16.9459, 0.3525,
0.2177

■ 19.8052, 0.3441,
0.2337

■ 23.4144, 0.3362,
0.2519

■ 27.8227, 0.3291,
0.2713

■ 33.0752, 0.3229,
0.2910

■ 39.2134, 0.3174,
0.3105

Harmonies

Analogous

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



11.7172, 0.2326, 0.1429



11.7172, 0.3879, 0.1911



11.7172, 0.5502, 0.2621

Triad

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



11.7172, 0.3879, 0.1911



11.7172, 0.4473, 0.5527



11.7172, 0.0844, 0.1988

Complementary

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



11.7172, 0.3879, 0.1911



33.1991, 0.2930, 0.5748

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.



11.7172, 0.1115, 0.3453



11.7172, 0.3879, 0.1911



11.7172, 0.3146, 0.6374

Square

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



11.7172, 0.3879, 0.1911



11.7172, 0.5625, 0.4375



11.7172, 0.1933, 0.5630



11.7172, 0.0942, 0.1386

Rectangle

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



11.7172, 0.3879, 0.1911



11.7172, 0.6052, 0.3137



11.7172, 0.1933, 0.5630



11.7172, 0.0885, 0.2357

Sweetspot

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



11.7178, 0.3879, 0.1911



49.3196, 0.3296, 0.2701



3.7781, 0.1615, 0.0664



9.9215, 0.3324, 0.2620



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.



11.7178, 0.3879, 0.1911



20.9471, 0.3893, 0.1918



10.0675, 0.5814, 0.2977



8.6131, 0.3171, 0.3116



8.0877, 0.3870, 0.1905



0.2626, 0.3652, 0.1785

Inverse Universe

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



11.7178, 0.3879, 0.1911



20.9471, 0.3893, 0.1918



34.6428, 0.2510, 0.4234



8.6131, 0.3171, 0.3116



8.0877, 0.3870, 0.1905



0.2626, 0.3652, 0.1785

Previews

White Background



This preview shows how the Yxy color 11.7172, 0.3879, 0.1911 looks on a white background.

Color Contrast Check

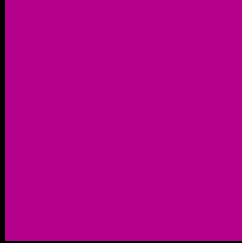
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.7172, 0.3879, 0.1911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

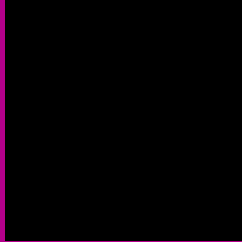
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7172, 0.3879, 0.1911

Background



This preview shows how black text looks on a background with the Yxy color 11.7172, 0.3879, 0.1911.



This preview shows how white text looks on a background with the Yxy color 11.7172, 0.3879, 0.1911.

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

11.7172, 0.3879, 0.1911

Protanopia

12.5276, 0.1786, 0.1509

Deuteranopia

12.3617, 0.2615, 0.2568



Tritanopia

12.1518, 0.5316, 0.3261

Trichromacy



Original Color

11.7172, 0.3879, 0.1911



Protanomaly

8.3457, 0.2042, 0.1293



Deuteranomaly

9.3774, 0.3008, 0.1987



Tritanomaly

11.2538, 0.4871, 0.2675

Monochromacy



Original Color

11.7172, 0.3879, 0.1911



Achromatopsia

6.1246, 0.3127, 0.3290



Achromatomaly

6.0180, 0.3502, 0.2234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7172, 0.3879, 0.1911 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, 140)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 140)  
}
```

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, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 140) }
```

Border

The CSS property to change the border of an element to Yxy 11.7172, 0.3879, 0.1911 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, 140) }
```

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

```
.border{ border-color:rgb(181, 0, 140) }
```

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, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 140);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7172, 0.3879, 0.1911 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, 140) }
```

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

```
.background{ background-color: rgb(181, 0,  
140) }
```

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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