

Converting Colors

$Y_{xy}(11.4871, 0.3007, 0.1430)$

Have a look what the booklet for
Yxy(11.4871, 0.3007, 0.1430)
contains.

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Color

Yxy(11.4432, 0.3002, 0.1427)

Conversions

Conversions Part 1

Format	Color
Hex	A600B5
RGB	166, 0, 181
RGB Percent	65%, 0%, 71%
CMY	0.3489, 1.0000, 0.2901
CMYK	0.08, 1.00, 0.00, 0.29
HSL	295°, 100%, 35%
HSV	295°, 100%, 71%
XYZ	24.0732, 11.4432, 44.6742
YIQ	70.2680, 40.8350, 91.4830

Conversions

Conversions Part 2

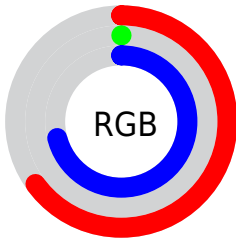
Format	Color
RYB	166, 0, 181
Decimal	10879157
CIELab	40.32, 73.60, -51.52
CIELCh	40, 89.842, 325.011
Yxy	11.4432, 0.3002, 0.1427
Android (android.graphics.Color)	4289069237 (0xFFA600B5)
YUV	70.2680, 54.5909, 83.9570
Hunter-Lab	33.8278, 67.8291, -54.6210

Details

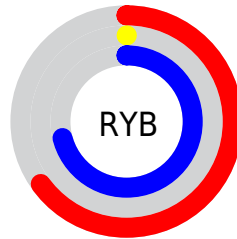
The Yxy color **11.4432, 0.3002, 0.1427** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **33.1632, 0.3019, 0.5985**, and the grayscale version is **6.0761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.5212, 0.3066, 0.1761**, and **4.7835, 0.2865, 0.1352** is the 20% darker color. If you saturate the color by 10%, you get **11.4476, 0.3002, 0.1427**, and if you desaturate by 10%, it is **12.0467, 0.3023, 0.1480**.

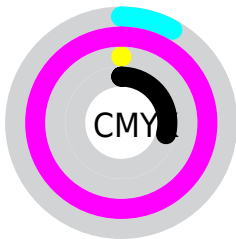
Distribution



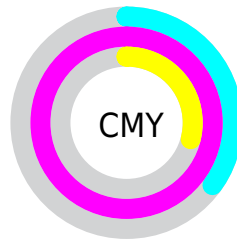
- Red (65%)
- Green (0%)
- Blue (71%)



- Red (65%)
- Yellow (0%)
- Blue (71%)



- Cyan (8%)
- Magenta (100%)
- Yellow (0%)
- Black (29%)




- Cyan (35%)
- Magenta (100%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.4432, 0.3002, 0.1427 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 11.4432, 0.3002, 0.1427 by changing the saturation by 10% instead.


 11.4432, 0.3002,
0.1427


 11.4432, 0.3002,
0.1427


200.6834, 0.3133,
0.2367


 6.3658, 0.2941,
0.1207


 28.4769, 0.3069,
0.1762


 3.0687, 0.2846,
0.0942


 41.2019, 0.3088,
0.1890

 1.1677, 0.2686,
0.0630

 57.2449, 0.3102,
0.2000

 0.0351, 0.2470,
0.0038

 76.9902, 0.3112,
0.2094

 0.0000, 0.1904,
0.0000

 100.8224, 0.3119,
0.2176

 0.0000, 0.0000,
0.0000

 129.1257, 0.3125,

0.2248

162.2846, 0.3129,
0.2311

■ 11.4432, 0.3002,
0.1427

■ 11.4432, 0.3002,
0.1427

■ 11.4476, 0.3002,
0.1427

■ 12.0467, 0.3023,
0.1480

■ 13.0501, 0.3043,
0.1566

■ 14.6101, 0.3061,
0.1696

■ 16.8001, 0.3078,
0.1866

■ 19.6823, 0.3092,
0.2070

■ 23.3117, 0.3104,
0.2300

■ 27.7374, 0.3113,
0.2546

■ 33.0045, 0.3120,
0.2797

■ 39.1548, 0.3125,
0.3048

Harmonies

Analogous

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



11.4432, 0.1592, 0.1083



11.4432, 0.3002, 0.1427



11.4432, 0.5066, 0.2079

Triad

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



11.4432, 0.3002, 0.1427



11.4432, 0.5111, 0.4889



11.4432, 0.0663, 0.2375

Complementary

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



11.4432, 0.3002, 0.1427



33.1632, 0.3019, 0.5985

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.



11.4432, 0.1147, 0.4794



11.4432, 0.3002, 0.1427



11.4432, 0.3632, 0.6368

Square

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



11.4432, 0.3002, 0.1427



11.4432, 0.6287, 0.3713



11.4432, 0.2242, 0.6973



11.4432, 0.0630, 0.1355

Rectangle

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



11.4432, 0.3002, 0.1427



11.4432, 0.6166, 0.2593



11.4432, 0.2242, 0.6973



11.4432, 0.0758, 0.3006

Sweetspot

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



11.4476, 0.3002, 0.1427



49.2243, 0.3113, 0.2533



3.6817, 0.1515, 0.0655



9.8973, 0.3109, 0.2430



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.



11.4476, 0.3002, 0.1427



20.4454, 0.2999, 0.1425



10.8602, 0.4606, 0.2311



8.6102, 0.3125, 0.3065



7.9030, 0.3005, 0.1429



0.2591, 0.3065, 0.1462

Inverse Universe

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



9.8624, 0.6308, 0.3249



17.6427, 0.6327, 0.3259



33.5755, 0.2798, 0.5274



8.5163, 0.3274, 0.3271



6.8006, 0.6291, 0.3239



0.2177, 0.5877, 0.3011

Previews

White Background



This preview shows how the Yxy color 11.4432, 0.3002, 0.1427 looks on a white background.

Color Contrast Check

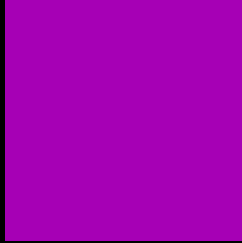
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.4432, 0.3002, 0.1427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

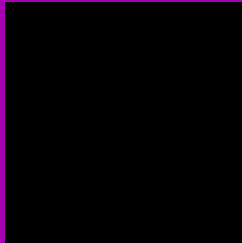
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.4432, 0.3002, 0.1427

Background



This preview shows how black text looks on a background with the Yxy color 11.4432, 0.3002, 0.1427.



This preview shows how white text looks on a background with the Yxy color 11.4432, 0.3002, 0.1427.

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

11.4432, 0.3002, 0.1427

Protanopia

12.1289, 0.1744, 0.1478

Deuteranopia

12.2193, 0.1937, 0.1896



Tritanopia

11.8006, 0.4545, 0.3213

Trichromacy



Original Color

11.4432, 0.3002, 0.1427



Protanomaly

7.9981, 0.1812, 0.1115



Deuteranomaly

8.4958, 0.2090, 0.1358



Tritanomaly

10.3608, 0.3981, 0.2282

Monochromacy



Original Color

11.4432, 0.3002, 0.1427



Achromatopsia

6.1246, 0.3127, 0.3290



Achromatomaly

6.0058, 0.3091, 0.1938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.4432, 0.3002, 0.1427 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(166, 0, 181)` looks like.

```
.text, #text, p{  
    color:rgb(166, 0, 181)  
}
```

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(166, 0, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 181) }
```

Border

The CSS property to change the border of an element to Yxy 11.4432, 0.3002, 0.1427 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(166, 0, 181) }
```

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

```
.border{ border-color:rgb(166, 0, 181) }
```

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

Here you see how a box with a 4 pixel rgb(166, 0, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 181);  
box-shadow:4px 4px 4px 4px rgb(166, 0,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 11.4432, 0.3002, 0.1427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 0, 181) }
```

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

```
.background{ background-color: rgb(166, 0,  
181) }
```

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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