

Converting Colors

$Yxy(13.1834, 0.2709, 0.1267)$

Have a look what the booklet for
Yxy(13.1834, 0.2709, 0.1267)
contains.

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Color

Yxy(13.1599, 0.2706, 0.1266)

Conversions

Conversions Part 1

Format	Color
Hex	A901D3
RGB	169, 1, 211
RGB Percent	66%, 0%, 83%
CMY	0.3372, 0.9959, 0.1727
CMYK	0.20, 0.99, 0.00, 0.17
HSL	288°, 99%, 42%
HSV	288°, 99%, 83%
XYZ	28.1285, 13.1599, 62.6603
YIQ	75.1720, 32.7180, 100.9260

Conversions

Conversions Part 2

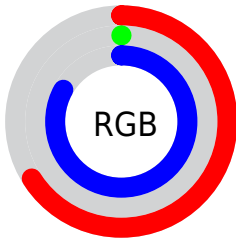
Format	Color
RYB	169, 1, 211
Decimal	11076051
CIELab	43.00, 78.88, -64.63
CIELCh	43, 101.972, 320.671
Yxy	13.1599, 0.2706, 0.1266
Android (android.graphics.Color)	4289266131 (0xFFA901D3)
YUV	75.1720, 66.9632, 82.2872
Hunter-Lab	36.2766, 74.9232, -77.0176

Details

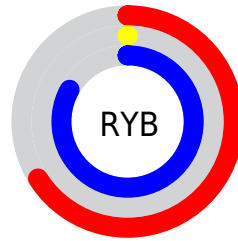
The Yxy color **13.1599, 0.2706, 0.1266** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **47.0856, 0.3066, 0.5944**, and the grayscale version is **6.9475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6944, 0.2952, 0.1685**, and **5.6816, 0.2495, 0.1148** is the 20% darker color. If you saturate the color by 10%, you get **13.1142, 0.2703, 0.1263**, and if you desaturate by 10%, it is **14.1911, 0.2759, 0.1335**.

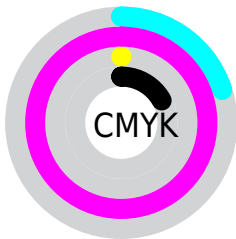
Distribution



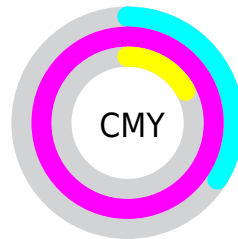
- Red (66%)
- Green (0%)
- Blue (83%)



- Red (66%)
- Yellow (0%)
- Blue (83%)



- Cyan (20%)
- Magenta (99%)
- Yellow (0%)
- Black (17%)





- Cyan (34%)
- Magenta (100%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.1599, 0.2706, 0.1266 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 13.1599, 0.2706, 0.1266 by changing the saturation by 10% instead.


 13.1599, 0.2706,
0.1266


 13.1599, 0.2706,
0.1266


211.9399, 0.3003,
0.2232


 7.5387, 0.2606,
0.1058


 31.5908, 0.2834,
0.1596


 3.8013, 0.2465,
0.0818


 45.1692, 0.2876,
0.1727

 1.5630, 0.2261,
0.0548


 62.1690, 0.2909,
0.1840

 0.3325, 0.1967,
0.0207

 82.9743, 0.2936,
0.1939

 0.0000, 0.1503,
0.0000

 107.9697, 0.2958,
0.2026

 0.0000, 0.0389,
0.0000

 137.5395, 0.2976,

 0.0000, 0.0000,

0.2103

0.0000

172.0681, 0.2991,
0.2171

■ 13.1599, 0.2706,
0.1266

■ 13.1599, 0.2706,
0.1266

■ 13.1142, 0.2703,
0.1263

■ 14.1911, 0.2759,
0.1335

■ 15.8463, 0.2812,
0.1444

■ 18.3106, 0.2865,
0.1599

■ 21.6913, 0.2917,
0.1794

■ 26.0792, 0.2965,
0.2023

■ 31.5540, 0.3008,
0.2273

■ 38.1875, 0.3046,
0.2535

■ 46.0451, 0.3079,
0.2799

■ 55.1875, 0.3106,
0.3056

Harmonies

Analogous

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



13.1599, 0.1368, 0.0967



13.1599, 0.2706, 0.1266



13.1599, 0.4880, 0.1889

Triad

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



13.1599, 0.2706, 0.1266



13.1599, 0.5345, 0.4655



13.1599, 0.0589, 0.2542

Complementary

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



13.1599, 0.2706, 0.1266



47.0856, 0.3066, 0.5944

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.



13.1599, 0.1134, 0.5407



13.1599, 0.2706, 0.1266



13.1599, 0.3755, 0.6245

Square

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



13.1599, 0.2706, 0.1266



13.1599, 0.6521, 0.3479



13.1599, 0.2290, 0.7339



13.1599, 0.0527, 0.1336

Rectangle

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



13.1599, 0.2706, 0.1266



13.1599, 0.6185, 0.2402



13.1599, 0.2290, 0.7339



13.1599, 0.0699, 0.3305

Sweetspot

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



13.1604, 0.2706, 0.1266



57.7349, 0.3043, 0.2513



6.4385, 0.1555, 0.0792



11.3943, 0.3028, 0.2401



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



13.1604, 0.2706, 0.1266



20.0627, 0.2698, 0.1260



16.0039, 0.4150, 0.2062



11.8848, 0.3106, 0.3059



7.9615, 0.2711, 0.1267



0.4762, 0.2808, 0.1320

Inverse Universe

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



14.0406, 0.6081, 0.3127



21.4987, 0.6116, 0.3143



46.9468, 0.2890, 0.5602



11.8463, 0.3260, 0.3244



8.4712, 0.6061, 0.3112



0.4852, 0.5549, 0.2831

Previews

White Background



This preview shows how the Yxy color 13.1599, 0.2706, 0.1266 looks on a white background.

Color Contrast Check

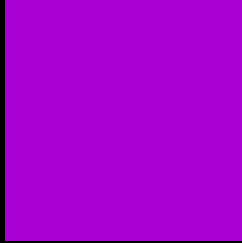
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1599, 0.2706, 0.1266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

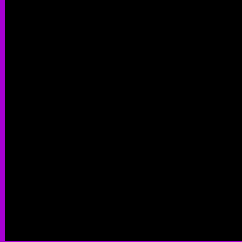
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1599, 0.2706, 0.1266

Background



This preview shows how black text looks on a background with the Yxy color 13.1599, 0.2706, 0.1266.



This preview shows how white text looks on a background with the Yxy color 13.1599, 0.2706, 0.1266.

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

13.1599, 0.2706, 0.1266

Protanopia

13.8175, 0.1744, 0.1477

Deuteranopia

13.8109, 0.1841, 0.1828



Tritanopia

13.5832, 0.4193, 0.3191

Trichromacy



Original Color

13.1599, 0.2706, 0.1266



Protanomaly

9.3620, 0.1773, 0.1070



Deuteranomaly

9.0214, 0.1835, 0.1206



Tritanomaly

11.5088, 0.3598, 0.2112

Monochromacy



Original Color

13.1599, 0.2706, 0.1266



Achromatopsia

7.0360, 0.3127, 0.3290



Achromatomaly

6.8204, 0.2924, 0.1813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1599, 0.2706, 0.1266 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(169, 1, 211)` looks like.

```
.text, #text, p{  
    color:rgb(169, 1, 211)  
}
```

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(169, 1, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 1, 211) }
```

Border

The CSS property to change the border of an element to Yxy 13.1599, 0.2706, 0.1266 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(169, 1, 211) }
```

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

```
.border{ border-color:rgb(169, 1, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 1, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 1, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 1, 211);  
box-shadow:4px 4px 4px 4px rgb(169, 1,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1599, 0.2706, 0.1266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 1, 211) }
```

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

```
.background{ background-color: rgb(169, 1,  
211) }
```

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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