

Converting Colors

$Yxy(12.9490, 0.2811, 0.1322)$

Have a look what the booklet for
Yxy(12.9490, 0.2811, 0.1322)
contains.

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Color

Yxy(12.9697, 0.2811, 0.1322)

Conversions

Conversions Part 1

Format	Color
Hex	AB00CB
RGB	171, 0, 203
RGB Percent	67%, 0%, 80%
CMY	0.3293, 1.0000, 0.2039
CMYK	0.16, 1.00, 0.00, 0.20
HSL	291°, 100%, 40%
HSV	291°, 100%, 80%
XYZ	27.5778, 12.9697, 57.5592
YIQ	74.2710, 36.7530, 99.3850

Conversions

Conversions Part 2

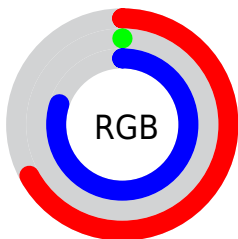
Format	Color
RYB	171, 0, 203
Decimal	11206859
CIELab	42.72, 77.92, -60.48
CIELCh	43, 98.635, 322.183
Yxy	12.9697, 0.2811, 0.1322
Android (android.graphics.Color)	4289396939 (0xFFAB00CB)
YUV	74.2710, 63.4634, 84.8313
Hunter-Lab	36.0135, 73.6651, -69.5519

Details

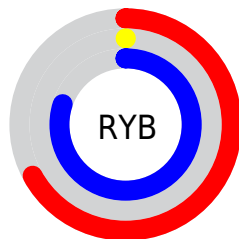
The Yxy color **12.9697, 0.2811, 0.1322** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **43.0262, 0.3044, 0.5965**, and the grayscale version is **6.7801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8645, 0.2971, 0.1688**, and **5.6488, 0.2627, 0.1221** is the 20% darker color. If you saturate the color by 10%, you get **12.9723, 0.2811, 0.1322**, and if you desaturate by 10%, it is **13.8471, 0.2852, 0.1384**.

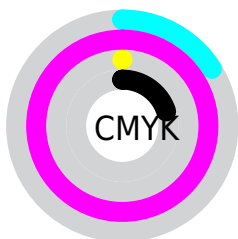
Distribution



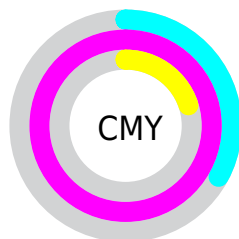
- Red (67%)
- Green (0%)
- Blue (80%)



- Red (67%)
- Yellow (0%)
- Blue (80%)



- Cyan (16%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)




- Cyan (33%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.9697, 0.2811, 0.1322 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 12.9697, 0.2811, 0.1322 by changing the saturation by 10% instead.


 12.9697, 0.2811,
0.1322

 12.9697, 0.2811,
0.1322


210.7234, 0.3050,
0.2275


 7.4077, 0.2725,
0.1112


 31.2493, 0.2918,
0.1651


 3.7183, 0.2600,
0.0867


 44.7358, 0.2952,
0.1781


 1.5173, 0.2412,
0.0587


 61.6324, 0.2978,
0.1892

 0.3009, 0.2137,
0.0212

 82.3237, 0.2999,
0.1989

 0.0000, 0.1666,
0.0000

 107.1941, 0.3016,
0.2074

 0.0000, 0.0301,
0.0000

 136.6279, 0.3030,

 0.0000, 0.0000,

0.2149

0.0000

171.0095, 0.3041,
0.2215

■ 12.9697, 0.2811,
0.1322

■ 12.9697, 0.2811,
0.1322

■ 12.9723, 0.2811,
0.1322

■ 13.8471, 0.2852,
0.1384

■ 15.2671, 0.2894,
0.1483

■ 17.4172, 0.2934,
0.1627

■ 20.3957, 0.2973,
0.1812

■ 24.2856, 0.3009,
0.2031

■ 29.1597, 0.3041,
0.2274

■ 35.0837, 0.3069,
0.2530

■ 42.1172, 0.3093,
0.2789

■ 50.3155, 0.3112,
0.3045

Harmonies

Analogous

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



12.9697, 0.1445, 0.1007



12.9697, 0.2811, 0.1322



12.9697, 0.4951, 0.1956

Triad

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



12.9697, 0.2811, 0.1322



12.9697, 0.5260, 0.4740



12.9697, 0.0615, 0.2478

Complementary

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



12.9697, 0.2811, 0.1322



43.0262, 0.3044, 0.5965

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.



12.9697, 0.1139, 0.5179



12.9697, 0.2811, 0.1322



12.9697, 0.3709, 0.6291

Square

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



12.9697, 0.2811, 0.1322



12.9697, 0.6438, 0.3562



12.9697, 0.2273, 0.7214



12.9697, 0.0562, 0.1342

Rectangle

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



12.9697, 0.2811, 0.1322



12.9697, 0.6182, 0.2470



12.9697, 0.2273, 0.7214



12.9697, 0.0720, 0.3191

Sweetspot

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



12.9723, 0.2811, 0.1322



58.3045, 0.3068, 0.2519



5.4472, 0.1539, 0.0739



11.5319, 0.3057, 0.2409



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.



12.9723, 0.2811, 0.1322



21.6379, 0.2806, 0.1319



14.4576, 0.4282, 0.2132



11.3107, 0.3113, 0.3060



8.2869, 0.2817, 0.1325



0.4522, 0.2898, 0.1370

Inverse Universe

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



12.8029, 0.6189, 0.3183



21.4145, 0.6212, 0.3196



43.1325, 0.2868, 0.5524



11.2420, 0.3266, 0.3254



8.1551, 0.6162, 0.3168



0.4300, 0.5673, 0.2899

Previews

White Background



This preview shows how the Yxy color 12.9697, 0.2811, 0.1322 looks on a white background.

Color Contrast Check

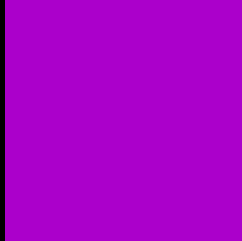
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9697, 0.2811, 0.1322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

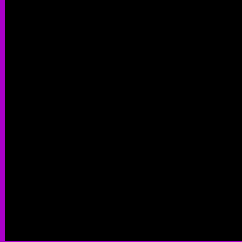
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9697, 0.2811, 0.1322

Background



This preview shows how black text looks on a background with the Yxy color 12.9697, 0.2811, 0.1322.



This preview shows how white text looks on a background with the Yxy color 12.9697, 0.2811, 0.1322.

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

12.9697, 0.2811, 0.1322

Protanopia

13.5768, 0.1742, 0.1469

Deuteranopia

13.6059, 0.1836, 0.1809



Tritanopia

13.3618, 0.4332, 0.3211

Trichromacy



Original Color

12.9697, 0.2811, 0.1322



Protanomaly

9.0841, 0.1787, 0.1080



Deuteranomaly

8.8442, 0.1845, 0.1208



Tritanomaly

11.5032, 0.3740, 0.2175

Monochromacy



Original Color

12.9697, 0.2811, 0.1322



Achromatopsia

6.8478, 0.3127, 0.3290



Achromatomaly

6.6647, 0.2973, 0.1839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9697, 0.2811, 0.1322 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(171, 0, 203)` looks like.

```
.text, #text, p{  
    color:rgb(171, 0, 203)  
}
```

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(171, 0, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 203) }
```

Border

The CSS property to change the border of an element to Yxy 12.9697, 0.2811, 0.1322 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(171, 0, 203) }
```

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

```
.border{ border-color:rgb(171, 0, 203) }
```

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

Here you see how a box with a 4 pixel rgb(171, 0, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 0, 203);  
box-shadow:4px 4px 4px 4px rgb(171, 0,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9697, 0.2811, 0.1322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 0, 203) }
```

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

```
.background{ background-color: rgb(171, 0,  
203) }
```

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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