

Converting Colors

$Y_{xy}(12.8663, 0.2850, 0.1390)$

Have a look what the booklet for
Yxy(12.8663, 0.2850, 0.1390)
contains.

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Color

Yxy(12.8842, 0.2851, 0.1391)

Conversions

Conversions Part 1

Format	Color
Hex	A816C4
RGB	168, 22, 196
RGB Percent	66%, 9%, 77%
CMY	0.3410, 0.9142, 0.2313
CMYK	0.14, 0.89, 0.00, 0.23
HSL	290°, 80%, 43%
HSV	290°, 89%, 77%
XYZ	26.4075, 12.8842, 53.3337
YIQ	85.4900, 31.1620, 85.0660

Conversions

Conversions Part 2

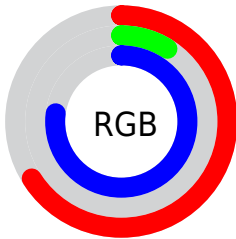
Format	Color
R _{YB}	168, 22, 196
Decimal	11015876
CIE Lab	42.59, 73.73, -56.64
CIE LCh	43, 92.972, 322.466
Yxy	12.8842, 0.2851, 0.1391
Android (android.graphics.Color)	4289205956 (0xFFA816C4)
YUV	85.4900, 54.4814, 72.3613
Hunter-Lab	35.8946, 68.5064, -62.9695

Details

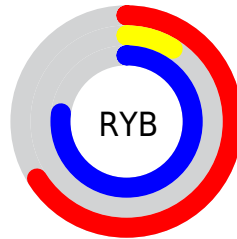
The Yxy color **12.8842, 0.2851, 0.1391** is a dark color, and the websafe version is hex **9933CC**. The color can be described as dark washed purple. A complement of this color would be **40.2224, 0.3080, 0.5845**, and the grayscale version is **9.0571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0770, 0.2950, 0.1722**, and **5.2381, 0.2670, 0.1244** is the 20% darker color. If you saturate the color by 10%, you get **12.0235, 0.2809, 0.1325**, and if you desaturate by 10%, it is **14.2846, 0.2893, 0.1497**.

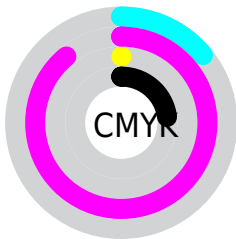
Distribution



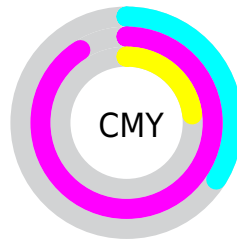
- Red (66%)
- Green (9%)
- Blue (77%)



- Red (66%)
- Yellow (9%)
- Blue (77%)



- Cyan (14%)
- Magenta (89%)
- Yellow (0%)
- Black (23%)





- Cyan (34%)
- Magenta (91%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8842, 0.2851, 0.1391 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 12.8842, 0.2851, 0.1391 by changing the saturation by 10% instead.


 12.8842, 0.2851,
0.1391


 12.8842, 0.2851,
0.1391


210.1742, 0.3065,
0.2325


 7.3489, 0.2771,
0.1180


 31.0956, 0.2948,
0.1718


 3.6812, 0.2654,
0.0929


 44.5404, 0.2979,
0.1845


 1.4969, 0.2474,
0.0637

 61.3905, 0.3002,
0.1955

 0.2865, 0.2206,
0.0228

 82.0303, 0.3020,
0.2049

 0.0000, 0.1722,
0.0000

 106.8442, 0.3035,
0.2132

 0.0000, 0.0000,
0.0000

 136.2165, 0.3047,

0.2204

170.5317, 0.3057,
0.2268

■ 12.8842, 0.2851,
0.1391

■ 12.8842, 0.2851,
0.1391

■ 12.0235, 0.2809,
0.1325

■ 14.2846, 0.2893,
0.1497

■ 11.9353, 0.2804,
0.1318

■ 16.3697, 0.2935,
0.1647

■ 19.2281, 0.2974,
0.1837

■ 22.9346, 0.3010,
0.2060

■ 27.5551, 0.3043,
0.2304

■ 33.1490, 0.3071,
0.2561

■ 39.7707, 0.3094,
0.2820

■ 47.4704, 0.3113,
0.3074

■ 56.2952, 0.3129,
0.3317

Harmonies

Analogous

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



12.8842, 0.1515, 0.1074



12.8842, 0.2851, 0.1391



12.8842, 0.4884, 0.2020

Triad

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



12.8842, 0.2851, 0.1391



12.8842, 0.5226, 0.4774



12.8842, 0.0689, 0.2524

Complementary

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



12.8842, 0.2851, 0.1391



40.2224, 0.3080, 0.5845

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.



12.8842, 0.1227, 0.5041



12.8842, 0.2851, 0.1391



12.8842, 0.3762, 0.6238

Square

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



12.8842, 0.2851, 0.1391



12.8842, 0.6356, 0.3644



12.8842, 0.2360, 0.6995



12.8842, 0.0627, 0.1412

Rectangle

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



12.8842, 0.2851, 0.1391



12.8842, 0.6048, 0.2533



12.8842, 0.2360, 0.6995



12.8842, 0.0799, 0.3200

Sweetspot

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



12.8847, 0.2851, 0.1391



61.6229, 0.3074, 0.2598



6.5141, 0.1619, 0.0919



12.3742, 0.3065, 0.2508



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.



12.8847, 0.2851, 0.1391



21.5202, 0.2798, 0.1315



14.1419, 0.4120, 0.2108



10.1630, 0.3113, 0.3061



7.6983, 0.2810, 0.1322



0.3550, 0.2905, 0.1374

Inverse Universe

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



12.5368, 0.5857, 0.3108



21.4199, 0.6206, 0.3192



40.2378, 0.2833, 0.5297



10.1037, 0.3264, 0.3253



7.6145, 0.6151, 0.3162



0.3375, 0.5594, 0.2855

Previews

White Background



This preview shows how the Yxy color 12.8842, 0.2851, 0.1391 looks on a white background.

Color Contrast Check

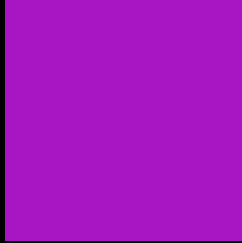
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8842, 0.2851, 0.1391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

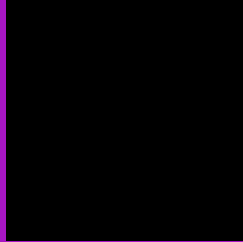
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 12.8842, 0.2851, 0.1391

Background



This preview shows how black text looks on a background with the Yxy color 12.8842, 0.2851, 0.1391.



This preview shows how white text looks on a background with the Yxy color 12.8842, 0.2851, 0.1391.

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

12.8842, 0.2851, 0.1391

Protanopia

13.2404, 0.1744, 0.1477

Deuteranopia

13.3195, 0.1837, 0.1813



Tritanopia

13.0044, 0.4328, 0.3210

Trichromacy



Original Color

12.8842, 0.2851, 0.1391



Protanomaly

9.6842, 0.1813, 0.1179



Deuteranomaly

9.5205, 0.1877, 0.1328



Tritanomaly

11.7759, 0.3733, 0.2276

Monochromacy



Original Color

12.8842, 0.2851, 0.1391



Achromatopsia

9.0842, 0.3127, 0.3290



Achromatomaly

8.5708, 0.3013, 0.2067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8842, 0.2851, 0.1391 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(168, 22, 196)` looks like.

```
.text, #text, p{  
    color:rgb(168, 22, 196)  
}
```

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(168, 22, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 22, 196) }
```

Border

The CSS property to change the border of an element to Yxy 12.8842, 0.2851, 0.1391 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(168, 22, 196) }
```

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

```
.border{ border-color:rgb(168, 22, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 22, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 22, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 22, 196);  
box-shadow:4px 4px 4px 4px rgb(168, 22,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8842, 0.2851, 0.1391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 22, 196) }
```

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

```
.background{ background-color: rgb(168, 22,  
196) }
```

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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