

Converting Colors

$Y_{xy}(11.4496, 0.2924, 0.1230)$

Have a look what the booklet for
Yxy(11.4496, 0.2924, 0.1230)
contains.

Yxy(13.3073, 0.2929, 0.1387)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.3073, 0.2929, 0.1387)

Conversions

Conversions Part 1

Format	Color
Hex	B000C6
RGB	176, 0, 198
RGB Percent	69%, 0%, 78%
CMY	0.3098, 1.0000, 0.2234
CMYK	0.11, 1.00, 0.00, 0.22
HSL	293°, 100%, 39%
HSV	293°, 100%, 78%
XYZ	28.1017, 13.3073, 54.5340
YIQ	75.1960, 41.3380, 98.8900

Conversions

Conversions Part 2

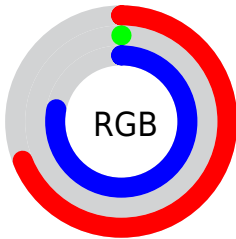
Format	Color
RYB	176, 0, 198
Decimal	11534534
CIELab	43.22, 77.82, -56.72
CIElCh	43, 96.302, 323.914
Yxy	13.3073, 0.2929, 0.1387
Android (android.graphics.Color)	4289724614 (0xFFB000C6)
YUV	75.1960, 60.5424, 88.4051
Hunter-Lab	36.4792, 73.6689, -63.0993

Details

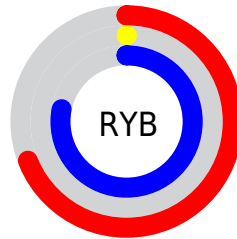
The Yxy color **13.3073, 0.2929, 0.1387** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as dark washed purple. A complement of this color would be **40.5747, 0.3026, 0.5979**, and the grayscale version is **6.9578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8693, 0.3018, 0.1716**, and **5.8347, 0.2779, 0.1305** is the 20% darker color. If you saturate the color by 10%, you get **13.3098, 0.2929, 0.1387**, and if you desaturate by 10%, it is **14.0621, 0.2958, 0.1441**.

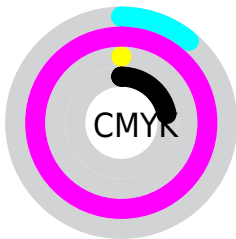
Distribution



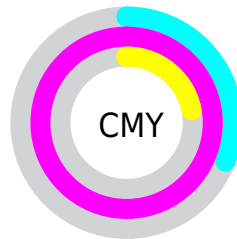
- Red (69%)
- Green (0%)
- Blue (78%)



- Red (69%)
- Yellow (0%)
- Blue (78%)



- Cyan (11%)
- Magenta (100%)
- Yellow (0%)
- Black (22%)




- Cyan (31%)
- Magenta (100%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.3073, 0.2929, 0.1387 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 13.3073, 0.2929, 0.1387 by changing the saturation by 10% instead.


 13.3073, 0.2929,
0.1387


 13.3073, 0.2929,
0.1387


212.8778, 0.3101,
0.2316


 7.6405, 0.2861,
0.1179


 31.8548, 0.3010,
0.1710


 3.8658, 0.2759,
0.0932


 45.5042, 0.3035,
0.1837

 1.5988, 0.2599,
0.0646


 62.5833, 0.3053,
0.1945

 0.3568, 0.2356,
0.0266

 83.4765, 0.3068,
0.2040

 0.0000, 0.1917,
0.0000

 108.5682, 0.3079,
0.2122

 0.0000, 0.0550,
0.0000

 138.2427, 0.3088,

 0.0000, 0.0000,

0.2194

0.0000

172.8844, 0.3095,
0.2258

■ 13.3073, 0.2929,
0.1387

■ 13.3073, 0.2929,
0.1387

■ 13.3098, 0.2929,
0.1387

■ 14.0621, 0.2958,
0.1441

■ 15.3230, 0.2986,
0.1532

■ 17.2693, 0.3013,
0.1667

■ 19.9934, 0.3038,
0.1842

■ 23.5732, 0.3061,
0.2052

■ 28.0772, 0.3080,
0.2287

■ 33.5671, 0.3097,
0.2537

■ 40.0989, 0.3110,
0.2793

■ 47.7247, 0.3120,
0.3046

Harmonies

Analogous

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



13.3073, 0.1535, 0.1054



13.3073, 0.2929, 0.1387



13.3073, 0.5023, 0.2032

Triad

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



13.3073, 0.2929, 0.1387



13.3073, 0.5167, 0.4833



13.3073, 0.0645, 0.2414

Complementary

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



13.3073, 0.2929, 0.1387



40.5747, 0.3026, 0.5979

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.



13.3073, 0.1145, 0.4937



13.3073, 0.2929, 0.1387



13.3073, 0.3662, 0.6338

Square

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



13.3073, 0.2929, 0.1387



13.3073, 0.6344, 0.3656



13.3073, 0.2256, 0.7068



13.3073, 0.0604, 0.1350

Rectangle

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



13.3073, 0.2929, 0.1387



13.3073, 0.6172, 0.2546



13.3073, 0.2256, 0.7068



13.3073, 0.0744, 0.3075

Sweetspot

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



13.3098, 0.2929, 0.1387



58.9419, 0.3096, 0.2526



4.6957, 0.1523, 0.0681



11.6863, 0.3089, 0.2418



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.



13.3098, 0.2929, 0.1387



23.4921, 0.2925, 0.1385



13.4186, 0.4480, 0.2241



10.7544, 0.3120, 0.3061



8.6756, 0.2933, 0.1389



0.4283, 0.2994, 0.1423

Inverse Universe

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



12.0684, 0.6274, 0.3230



21.3456, 0.6295, 0.3241



40.9244, 0.2829, 0.5384



10.6558, 0.3272, 0.3265



7.8518, 0.6253, 0.3218



0.3784, 0.5839, 0.2990

Previews

White Background



This preview shows how the Yxy color 13.3073, 0.2929, 0.1387 looks on a white background.

Color Contrast Check

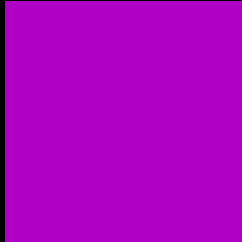
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3073, 0.2929, 0.1387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

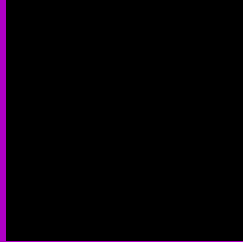
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3073, 0.2929, 0.1387

Background



This preview shows how black text looks on a background with the Yxy color 13.3073, 0.2929, 0.1387.



This preview shows how white text looks on a background with the Yxy color 13.3073, 0.2929, 0.1387.

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

13.3073, 0.2929, 0.1387

Protanopia

14.0608, 0.1746, 0.1484

Deuteranopia

14.0474, 0.1873, 0.1828



Tritanopia

13.7547, 0.4486, 0.3216

Trichromacy



Original Color

13.3073, 0.2929, 0.1387



Protanomaly

9.2618, 0.1800, 0.1096



Deuteranomaly

9.3943, 0.1971, 0.1275



Tritanomaly

11.9774, 0.3893, 0.2244

Monochromacy



Original Color

13.3073, 0.2929, 0.1387



Achromatopsia

7.0360, 0.3127, 0.3290



Achromatomaly

6.9147, 0.3044, 0.1891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3073, 0.2929, 0.1387 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(176, 0, 198)` looks like.

```
.text, #text, p{  
    color:rgb(176, 0, 198)  
}
```

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(176, 0, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 198) }
```

Border

The CSS property to change the border of an element to Yxy 13.3073, 0.2929, 0.1387 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(176, 0, 198) }
```

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

```
.border{ border-color:rgb(176, 0, 198) }
```

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

Here you see how a box with a 4 pixel rgb(176, 0, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 198);  
box-shadow:4px 4px 4px 4px rgb(176, 0,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3073, 0.2929, 0.1387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 0, 198) }
```

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

```
.background{ background-color: rgb(176, 0,  
198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor