

Converting Colors

$Yxy(13.0473, 0.2827, 0.1364)$

Have a look what the booklet for
Yxy(13.0473, 0.2827, 0.1364)
contains.

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Color

Yxy(13.0060, 0.2819, 0.1359)

Conversions

Conversions Part 1

Format	Color
Hex	A911C8
RGB	169, 17, 200
RGB Percent	66%, 7%, 78%
CMY	0.3374, 0.9325, 0.2158
CMYK	0.16, 0.91, 0.00, 0.22
HSL	290°, 84%, 43%
HSV	290°, 91%, 78%
XYZ	26.9786, 13.0060, 55.7181
YIQ	83.3100, 31.8490, 89.1370

Conversions

Conversions Part 2

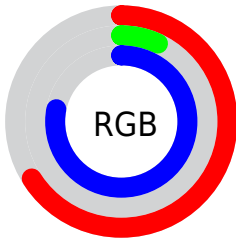
Format	Color
R_{YB}	169, 17, 200
Decimal	11080136
CIE _{Lab}	42.77, 75.27, -58.64
CIE _{LCh}	43, 95.415, 322.079
Yxy	13.0060, 0.2819, 0.1359
Android (android.graphics.Color)	4289270216 (0xFFA911C8)
YUV	83.3100, 57.5282, 75.1501
Hunter-Lab	36.0638, 70.4204, -66.3576

Details

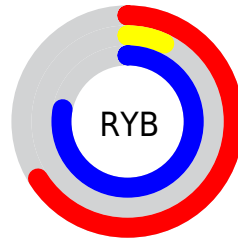
The Yxy color **13.0060, 0.2819, 0.1359** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **41.9731, 0.3077, 0.5876**, and the grayscale version is **8.6147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0263, 0.2943, 0.1700**, and **5.4238, 0.2633, 0.1224** is the 20% darker color. If you saturate the color by 10%, you get **12.2801, 0.2781, 0.1306**, and if you desaturate by 10%, it is **14.3152, 0.2864, 0.1455**.

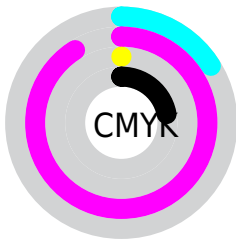
Distribution



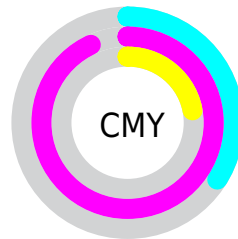
- Red (66%)
- Green (7%)
- Blue (78%)



- Red (66%)
- Yellow (7%)
- Blue (78%)



- Cyan (16%)
- Magenta (91%)
- Yellow (0%)
- Black (22%)



- Cyan (34%)
- Magenta (93%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0060, 0.2819, 0.1359 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 13.0060, 0.2819, 0.1359 by changing the saturation by 10% instead.


 13.0060, 0.2819,
0.1359


 13.0060, 0.2819,
0.1359


210.9561, 0.3052,
0.2301


 7.4327, 0.2735,
0.1149


 31.3146, 0.2923,
0.1687


 3.7341, 0.2612,
0.0901


 44.8186, 0.2956,
0.1815

 1.5260, 0.2426,
0.0615


 61.7350, 0.2982,
0.1925

 0.3069, 0.2152,
0.0228

 82.4481, 0.3002,
0.2021

 0.0000, 0.1675,
0.0000

 107.3424, 0.3018,
0.2104

 0.0000, 0.0099,
0.0000

 136.8022, 0.3032,

 0.0000, 0.0000,

0.2178

0.0000

171.2120, 0.3042,
0.2243

■ 13.0060, 0.2819,
0.1359

■ 13.0060, 0.2819,
0.1359

■ 12.2801, 0.2781,
0.1306

■ 14.3152, 0.2864,
0.1455

■ 16.3154, 0.2908,
0.1595

■ 19.1046, 0.2951,
0.1778

■ 22.7645, 0.2991,
0.1995

■ 27.3664, 0.3027,
0.2236

■ 32.9744, 0.3058,
0.2492

■ 39.6466, 0.3085,
0.2753

■ 47.4371, 0.3107,
0.3010

■ 56.3959, 0.3125,
0.3257

Harmonies

Analogous

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



13.0060, 0.1479, 0.1046



13.0060, 0.2819, 0.1359



13.0060, 0.4891, 0.1988

Triad

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



13.0060, 0.2819, 0.1359



13.0060, 0.5252, 0.4748



13.0060, 0.0661, 0.2522

Complementary

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



13.0060, 0.2819, 0.1359



41.9731, 0.3077, 0.5876

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.



13.0060, 0.1200, 0.5123



13.0060, 0.2819, 0.1359



13.0060, 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.



13.0060, 0.2819, 0.1359



13.0060, 0.6396, 0.3604



13.0060, 0.2338, 0.7085



13.0060, 0.0600, 0.1390

Rectangle

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



13.0060, 0.2819, 0.1359



13.0060, 0.6089, 0.2501



13.0060, 0.2338, 0.7085



13.0060, 0.0771, 0.3218

Sweetspot

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



13.0065, 0.2819, 0.1359



61.5118, 0.3070, 0.2597



6.6327, 0.1604, 0.0899



12.3476, 0.3060, 0.2507



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.



13.0065, 0.2819, 0.1359



21.1756, 0.2775, 0.1302



14.6395, 0.4102, 0.2077



10.7220, 0.3111, 0.3060



7.8441, 0.2787, 0.1309



0.3962, 0.2880, 0.1360

Inverse Universe

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



12.8988, 0.5921, 0.3110



21.4365, 0.6187, 0.3182



41.9284, 0.2852, 0.5397



10.6658, 0.3263, 0.3251



7.8901, 0.6132, 0.3152



0.3830, 0.5592, 0.2854

Previews

White Background



This preview shows how the Yxy color 13.0060, 0.2819, 0.1359 looks on a white background.

Color Contrast Check

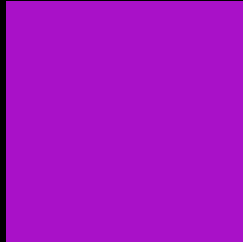
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0060, 0.2819, 0.1359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

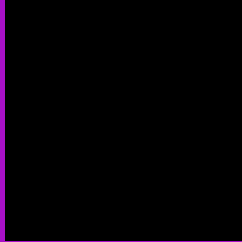
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0060, 0.2819, 0.1359

Background



This preview shows how black text looks on a background with the Yxy color 13.0060, 0.2819, 0.1359.



This preview shows how white text looks on a background with the Yxy color 13.0060, 0.2819, 0.1359.

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

13.0060, 0.2819, 0.1359

Protanopia

13.4777, 0.1746, 0.1485

Deuteranopia

13.3613, 0.1834, 0.1801



Tritanopia

13.1179, 0.4325, 0.3194

Trichromacy



Original Color

13.0060, 0.2819, 0.1359



Protanomaly

9.6561, 0.1804, 0.1156



Deuteranomaly

9.3445, 0.1862, 0.1286



Tritanomaly

11.8295, 0.3714, 0.2243

Monochromacy



Original Color

13.0060, 0.2819, 0.1359



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

8.2117, 0.2981, 0.1995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0060, 0.2819, 0.1359 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, 17, 200)` looks like.

```
.text, #text, p{  
    color:rgb(169, 17, 200)  
}
```

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, 17, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 17, 200) }
```

Border

The CSS property to change the border of an element to Yxy 13.0060, 0.2819, 0.1359 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, 17, 200) }
```

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

```
.border{ border-color:rgb(169, 17, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 17, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 17, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 17, 200);  
box-shadow:4px 4px 4px 4px rgb(169, 17,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0060, 0.2819, 0.1359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 17, 200) }
```

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

```
.background{ background-color: rgb(169, 17,  
200) }
```

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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