

Converting Colors

$Y_{xy}(16.9046, 0.2717, 0.1710)$

Have a look what the booklet for
Yxy(16.9046, 0.2717, 0.1710)
contains.

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Color

Yxy(16.9826, 0.2718, 0.1711)

Conversions

Conversions Part 1

Format	Color
Hex	9D50C6
RGB	157, 80, 198
RGB Percent	62%, 31%, 78%
CMY	0.3841, 0.6865, 0.2234
CMYK	0.21, 0.60, 0.00, 0.22
HSL	279°, 51%, 55%
HSV	279°, 60%, 78%
XYZ	26.9776, 16.9826, 55.2952
YIQ	116.4750, 8.0140, 53.0220

Conversions

Conversions Part 2

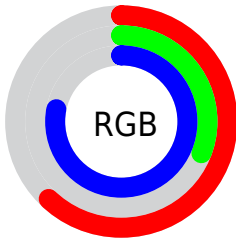
Format	Color
R _Y B	157, 80, 198
Decimal	10309830
CIE Lab	48.24, 51.70, -48.81
CIE LCh	48, 71.104, 316.649
Yxy	16.9826, 0.2718, 0.1711
Android (android.graphics.Color)	4288499910 (0xFF9D50C6)
YUV	116.4750, 40.1918, 35.5404
Hunter-Lab	41.2100, 44.7356, -50.7079

Details

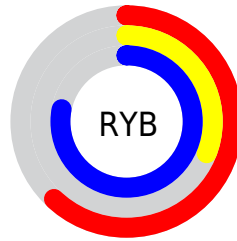
The Yxy color **16.9826, 0.2718, 0.1711** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **45.0349, 0.3307, 0.5045**, and the grayscale version is **17.4886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2912, 0.2827, 0.1998**, and **5.5467, 0.2523, 0.1295** is the 20% darker color. If you saturate the color by 10%, you get **13.8284, 0.2625, 0.1486**, and if you desaturate by 10%, it is **21.0311, 0.2807, 0.1966**.

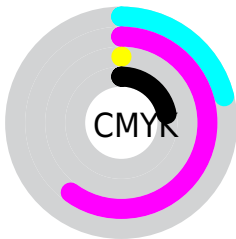
Distribution



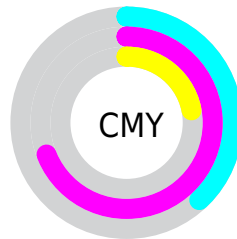
- Red (62%)
- Green (31%)
- Blue (78%)



- Red (62%)
- Yellow (31%)
- Blue (78%)



- Cyan (21%)
- Magenta (60%)
- Yellow (0%)
- Black (22%)




- Cyan (38%)
- Magenta (69%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9826, 0.2718, 0.1711 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 16.9826, 0.2718, 0.1711 by changing the saturation by 10% instead.


 16.9826, 0.2718,
0.1711


 16.9826, 0.2718,
0.1711


235.0721, 0.2978,
0.2503


 10.2221, 0.2635,
0.1522


 38.2959, 0.2826,
0.1994


 5.5465, 0.2518,
0.1290


 53.6174, 0.2863,
0.2103

 2.5713, 0.2345,
0.1002


 72.5614, 0.2892,
0.2195

 0.9123, 0.2079,
0.0655

 95.5122, 0.2916,
0.2274

 0.0000, 0.1699,
0.0000

 122.8543, 0.2936,
0.2343

 0.0000, 0.0101,
0.0000

154.9721, 0.2952,

 0.0000, 0.0000,

0.2403

0.0000

192.2499, 0.2966,
0.2456

■ 16.9826, 0.2718,
0.1711

■ 16.9826, 0.2718,
0.1711

■ 13.8284, 0.2625,
0.1486

■ 21.0311, 0.2807,
0.1966

■ 11.4884, 0.2531,
0.1301

■ 26.0406, 0.2889,
0.2238

■ 9.8708, 0.2439,
0.1164

■ 32.0738, 0.2962,
0.2516

■ 8.8079, 0.2352,
0.1071

■ 39.1872, 0.3027,
0.2790

■ 8.7715, 0.2348,
0.1067

■ 47.4332, 0.3082,
0.3052

■ 56.8608, 0.3129,
0.3299

■ 67.5160, 0.3167,
0.3527

■ 79.4422, 0.3199,
0.3736

■ 90.6407, 0.3228,
0.3894

Harmonies

Analogous

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



16.9826, 0.1739, 0.1479



16.9826, 0.2718, 0.1711



16.9826, 0.4120, 0.2220

Triad

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



16.9826, 0.2718, 0.1711



16.9826, 0.5165, 0.4572



16.9826, 0.1267, 0.3111

Complementary

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



16.9826, 0.2718, 0.1711



45.0349, 0.3307, 0.5045

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.



16.9826, 0.1934, 0.4821



16.9826, 0.2718, 0.1711



16.9826, 0.4157, 0.5501

Square

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



16.9826, 0.2718, 0.1711



16.9826, 0.5704, 0.3687



16.9826, 0.3004, 0.5876



16.9826, 0.1069, 0.2013

Rectangle

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



16.9826, 0.2718, 0.1711



16.9826, 0.5021, 0.2672



16.9826, 0.3004, 0.5876



16.9826, 0.1432, 0.3646

Sweetspot

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



16.9833, 0.2718, 0.1711



71.2344, 0.3035, 0.2826



19.5236, 0.2121, 0.2033



14.3900, 0.3017, 0.2747



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.



16.9833, 0.2718, 0.1711



22.8946, 0.2592, 0.1417



21.0470, 0.3406, 0.2082



10.6254, 0.3083, 0.3058



5.7520, 0.2360, 0.1073



0.3115, 0.2540, 0.1173

Inverse Universe

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



19.1172, 0.4296, 0.2774



27.5692, 0.4732, 0.2724



42.9771, 0.2950, 0.4935



10.6967, 0.3236, 0.3210



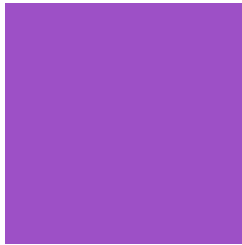
8.0992, 0.5566, 0.2840



0.3972, 0.4978, 0.2516

Previews

White Background



This preview shows how the Yxy color 16.9826, 0.2718, 0.1711 looks on a white background.

Color Contrast Check

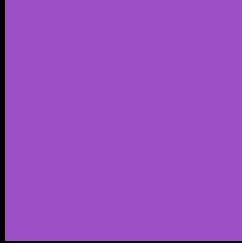
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9826, 0.2718, 0.1711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

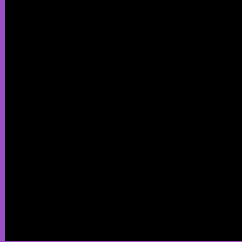
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9826, 0.2718, 0.1711

Background



This preview shows how black text looks on a background with the Yxy color 16.9826, 0.2718, 0.1711.



This preview shows how white text looks on a background with the Yxy color 16.9826, 0.2718, 0.1711.

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

16.9826, 0.2718, 0.1711

Protanopia

17.4011, 0.1797, 0.1522

Deuteranopia

17.3424, 0.2046, 0.1998



Tritanopia

16.9101, 0.3576, 0.3149

Trichromacy



Original Color

16.9826, 0.2718, 0.1711



Protanomaly

15.8818, 0.1960, 0.1517



Deuteranomaly

16.1922, 0.2206, 0.1820



Tritanomaly

16.4635, 0.3233, 0.2503

Monochromacy



Original Color

16.9826, 0.2718, 0.1711



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.6011, 0.2967, 0.2539

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9826, 0.2718, 0.1711 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(157, 80, 198)` looks like.

```
.text, #text, p{  
    color:rgb(157, 80, 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(157, 80, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 80, 198) }
```

Border

The CSS property to change the border of an element to Yxy 16.9826, 0.2718, 0.1711 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(157, 80, 198) }
```

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

```
.border{ border-color:rgb(157, 80, 198) }
```

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

Here you see how a box with a 4 pixel rgb(157, 80, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 80, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 80, 198);  
box-shadow:4px 4px 4px 4px rgb(157, 80,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9826, 0.2718, 0.1711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 80, 198) }
```

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

```
.background{ background-color: rgb(157, 80,  
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](#).

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