

Converting Colors

$Y_{xy}(17.0200, 0.2418, 0.1417)$

Have a look what the booklet for
Yxy(17.0200, 0.2418, 0.1417)
contains.

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Color

Yxy(16.9679, 0.2419, 0.1419)

Conversions

Conversions Part 1

Format	Color
Hex	974AE2
RGB	151, 74, 226
RGB Percent	59%, 29%, 89%
CMY	0.4081, 0.7095, 0.1138
CMYK	0.33, 0.67, 0.00, 0.11
HSL	270°, 72%, 59%
HSV	270°, 67%, 89%
XYZ	28.9255, 16.9679, 73.6830
YIQ	114.3510, -2.9000, 63.5960

Conversions

Conversions Part 2

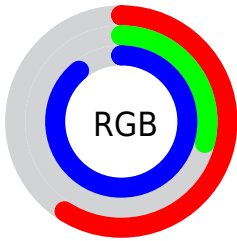
Format	Color
R_{YB}	151, 74, 226
Decimal	9915106
CIE _{Lab}	48.22, 59.51, -64.87
CIE _{LCh}	48, 88.029, 312.534
Yxy	16.9679, 0.2419, 0.1419
Android (android.graphics.Color)	4288105186 (0xFF974AE2)
YUV	114.3510, 55.0430, 32.1412
Hunter-Lab	41.1921, 53.2584, -77.2214

Details

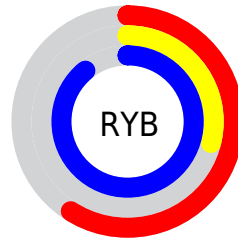
The Yxy color **16.9679, 0.2419, 0.1419** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **61.2740, 0.3453, 0.5180**, and the grayscale version is **16.7749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3600, 0.2791, 0.1938**, and **5.5435, 0.2132, 0.0991** is the 20% darker color. If you saturate the color by 10%, you get **13.4535, 0.2288, 0.1198**, and if you desaturate by 10%, it is **21.6680, 0.2551, 0.1681**.

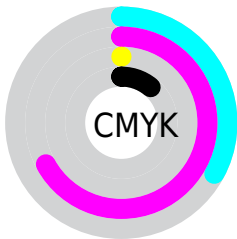
Distribution



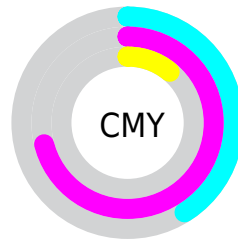
- Red (59%)
- Green (29%)
- Blue (89%)



- Red (59%)
- Yellow (29%)
- Blue (89%)



- Cyan (33%)
- Magenta (67%)
- Yellow (0%)
- Black (11%)




- Cyan (41%)
- Magenta (71%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9679, 0.2419, 0.1419 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 16.9679, 0.2419, 0.1419 by changing the saturation by 10% instead.


 16.9679, 0.2419,
0.1419


 16.9679, 0.2419,
0.1419


234.9873, 0.2842,
0.2312


 10.2116, 0.2298,
0.1224


 38.2706, 0.2586,
0.1725


 5.5395, 0.2137,
0.0995


 53.5857, 0.2645,
0.1846


 2.5671, 0.1917,
0.0730


 72.5227, 0.2693,
0.1951

 0.9102, 0.1613,
0.0439

 95.4657, 0.2734,
0.2042

 0.0000, 0.1212,
0.0000

 122.7993, 0.2767,
0.2122

 0.0000, 0.0400,
0.0000

154.9079, 0.2796,

 0.0000, 0.0000,

0.2193

0.0000

192.1757, 0.2821,
0.2256

■ 16.9679, 0.2419,
0.1419

■ 16.9679, 0.2419,
0.1419

■ 13.4535, 0.2288,
0.1198

■ 21.6680, 0.2551,
0.1681

■ 10.9980, 0.2164,
0.1028

■ 27.6589, 0.2677,
0.1967

■ 9.4381, 0.2052,
0.0914

■ 35.0358, 0.2795,
0.2265

■ 9.0897, 0.2022,
0.0888

■ 43.8840, 0.2902,
0.2560

■ 54.2819, 0.2995,
0.2844

■ 66.3022, 0.3076,
0.3111

■ 80.0129, 0.3145,
0.3356

■ 95.4781, 0.3203,
0.3579

■ 97.5933, 0.3274,
0.3574

Harmonies

Analogous

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



16.9679, 0.1406, 0.1210



16.9679, 0.2419, 0.1419



16.9679, 0.4068, 0.1933

Triad

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



16.9679, 0.2419, 0.1419



16.9679, 0.5554, 0.4446



16.9679, 0.1016, 0.3261

Complementary

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



16.9679, 0.2419, 0.1419



61.2740, 0.3453, 0.5180

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.



16.9679, 0.1783, 0.5550



16.9679, 0.2419, 0.1419



16.9679, 0.4341, 0.5659

Square

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



16.9679, 0.2419, 0.1419



16.9679, 0.6174, 0.3454



16.9679, 0.2991, 0.6506



16.9679, 0.0792, 0.1857

Rectangle

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



16.9679, 0.2419, 0.1419



16.9679, 0.5237, 0.2408



16.9679, 0.2991, 0.6506



16.9679, 0.1203, 0.3985

Sweetspot

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



16.9685, 0.2419, 0.1419



67.1965, 0.2970, 0.2763



28.7672, 0.2076, 0.2175



13.5462, 0.2943, 0.2683



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.



16.9685, 0.2419, 0.1419



16.1393, 0.2233, 0.1118



26.5606, 0.3198, 0.1787



13.5824, 0.3059, 0.3053



5.2578, 0.2038, 0.0897



0.4177, 0.2205, 0.0988

Inverse Universe

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



23.2445, 0.4202, 0.2489



25.6287, 0.4559, 0.2441



56.3324, 0.3026, 0.5453



13.8129, 0.3215, 0.3175



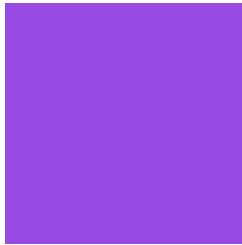
9.9111, 0.4977, 0.2515



0.7051, 0.4632, 0.2325

Previews

White Background



This preview shows how the Yxy color 16.9679, 0.2419, 0.1419 looks on a white background.

Color Contrast Check

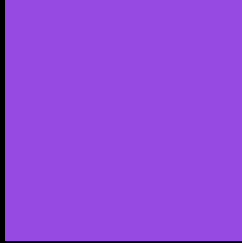
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9679, 0.2419, 0.1419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

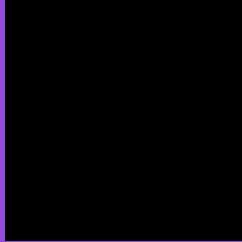
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9679, 0.2419, 0.1419

Background



This preview shows how black text looks on a background with the Yxy color 16.9679, 0.2419, 0.1419.



This preview shows how white text looks on a background with the Yxy color 16.9679, 0.2419, 0.1419.

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

16.9679, 0.2419, 0.1419

Protanopia

17.0924, 0.1737, 0.1454

Deuteranopia

17.1304, 0.1836, 0.1810



Tritanopia

16.9675, 0.3311, 0.3141

Trichromacy



Original Color

16.9679, 0.2419, 0.1419



Protanomaly

15.1311, 0.1796, 0.1341



Deuteranomaly

14.9237, 0.1861, 0.1522



Tritanomaly

16.2033, 0.2927, 0.2286

Monochromacy



Original Color

16.9679, 0.2419, 0.1419



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

15.8023, 0.2814, 0.2324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9679, 0.2419, 0.1419 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(151, 74, 226)` looks like.

```
.text, #text, p{  
    color:rgb(151, 74, 226)  
}
```

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(151, 74, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 74, 226) }
```

Border

The CSS property to change the border of an element to Yxy 16.9679, 0.2419, 0.1419 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(151, 74, 226) }
```

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

```
.border{ border-color:rgb(151, 74, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 74, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 74, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 74, 226);  
box-shadow:4px 4px 4px 4px rgb(151, 74,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9679, 0.2419, 0.1419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 74, 226) }
```

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

```
.background{ background-color: rgb(151, 74,  
226) }
```

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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