

Converting Colors

$Y_{xy}(18.4309, 0.2244, 0.1245)$

Have a look what the booklet for
Yxy(18.4309, 0.2244, 0.1245)
contains.

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Color

Yxy(18.4019, 0.2246, 0.1243)

Conversions

Conversions Part 1

Format	Color
Hex	9847FF
RGB	152, 71, 255
RGB Percent	60%, 28%, 100%
CMY	0.4039, 0.7215, 0.0001
CMYK	0.40, 0.72, 0.00, 0.00
HSL	266°, 100%, 64%
HSV	266°, 72%, 100%
XYZ	33.2507, 18.4019, 96.3916
YIQ	116.1950, -10.7880, 74.3960

Conversions

Conversions Part 2

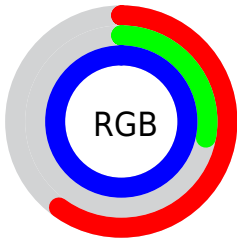
Format	Color
RYB	152, 71, 255
Decimal	9979903
CIELab	49.98, 67.91, -78.28
CIELCh	50, 103.634, 310.944
Yxy	18.4019, 0.2246, 0.1243
Android (android.graphics.Color)	4288169983 (0xFF9847FF)
YUV	116.1950, 68.4309, 31.4010
Hunter-Lab	42.8974, 63.2887, -103.1979

Details

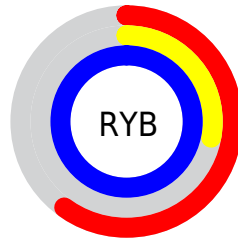
The Yxy color **18.4019, 0.2246, 0.1243** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **80.9594, 0.3528, 0.5256**, and the grayscale version is **17.3182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2878, 0.2816, 0.1930**, and **6.2049, 0.1938, 0.0841** is the 20% darker color. If you saturate the color by 10%, you get **14.5157, 0.2106, 0.1038**, and if you desaturate by 10%, it is **23.8143, 0.2393, 0.1497**.

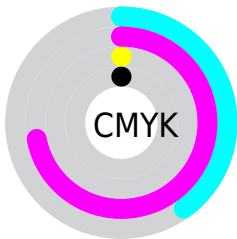
Distribution



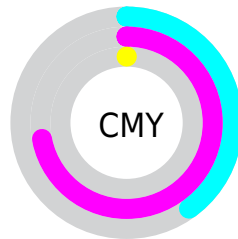
- Red (60%)
- Green (28%)
- Blue (100%)



- Red (60%)
- Yellow (28%)
- Blue (100%)



- Cyan (40%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (72%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4019, 0.2246, 0.1243 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 18.4019, 0.2246, 0.1243 by changing the saturation by 10% instead.


 18.4019, 0.2246,
0.1243


 18.4019, 0.2246,
0.1243


243.1267, 0.2751,
0.2168


 11.2389, 0.2113,
0.1056


 40.7210, 0.2438,
0.1548

 6.2278, 0.1942,
0.0844


 56.6458, 0.2508,
0.1672


 2.9841, 0.1720,
0.0609


 76.2601, 0.2566,
0.1781

 1.1234, 0.1432,
0.0363

 99.9482, 0.2615,
0.1877

 0.0000, 0.1077,
0.0000

 128.0946, 0.2657,
0.1963

 0.0000, 0.0600,
0.0000

161.0835, 0.2693,

 0.0000, 0.0000,

0.2039

0.0000

199.2994, 0.2724,
0.2107

■ 18.4019, 0.2246,
0.1243

■ 18.4019, 0.2246,
0.1243

■ 14.5157, 0.2106,
0.1038

■ 23.8143, 0.2393,
0.1497

■ 11.9651, 0.1980,
0.0893

■ 30.9082, 0.2539,
0.1785

■ 10.6814, 0.1893,
0.0817

■ 39.8208, 0.2679,
0.2091

■ 50.6745, 0.2808,
0.2399

■ 63.5805, 0.2923,
0.2697

 78.6417, 0.3024,
0.2978

 95.9536, 0.3110,
0.3237

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



18.4019, 0.1215, 0.1046



18.4019, 0.2246, 0.1243



18.4019, 0.4061, 0.1758

Triad

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



18.4019, 0.2246, 0.1243



18.4019, 0.5711, 0.4289



18.4019, 0.0837, 0.3324

Complementary

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



18.4019, 0.2246, 0.1243



80.9594, 0.3528, 0.5256

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.



18.4019, 0.1628, 0.6078



18.4019, 0.2246, 0.1243



18.4019, 0.4339, 0.5661

Square

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



18.4019, 0.2246, 0.1243



18.4019, 0.6479, 0.3287



18.4019, 0.2893, 0.6900



18.4019, 0.0624, 0.1725

Rectangle

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



18.4019, 0.2246, 0.1243



18.4019, 0.5419, 0.2245



18.4019, 0.2893, 0.6900



18.4019, 0.1025, 0.4197

Sweetspot

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



18.4025, 0.2246, 0.1243



63.8045, 0.2925, 0.2702



39.3194, 0.2051, 0.2239



12.8610, 0.2895, 0.2622



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.



18.4025, 0.2246, 0.1243



13.1280, 0.2043, 0.0960



30.7303, 0.3083, 0.1657



17.7690, 0.3048, 0.3049



5.6671, 0.1910, 0.0826



0.6152, 0.2036, 0.0895

Inverse Universe

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



28.8188, 0.4162, 0.2346



24.8013, 0.4477, 0.2318



73.8149, 0.3058, 0.5576



18.1574, 0.3206, 0.3158



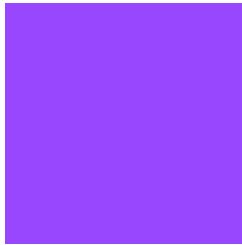
12.1712, 0.4712, 0.2369



1.2071, 0.4493, 0.2249

Previews

White Background



This preview shows how the Yxy color 18.4019, 0.2246, 0.1243 looks on a white background.

Color Contrast Check

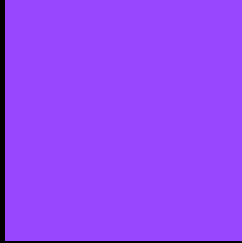
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.4019, 0.2246, 0.1243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

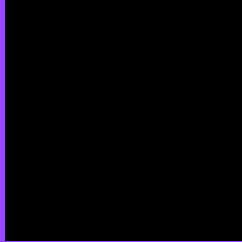
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4019, 0.2246, 0.1243

Background



This preview shows how black text looks on a background with the Yxy color 18.4019, 0.2246, 0.1243.



This preview shows how white text looks on a background with the Yxy color 18.4019, 0.2246, 0.1243.

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

18.4019, 0.2246, 0.1243

Protanopia

18.6723, 0.1741, 0.1467

Deuteranopia

18.5722, 0.1846, 0.1844



Tritanopia

18.1824, 0.3110, 0.3121

Trichromacy



Original Color

18.4019, 0.2246, 0.1243



Protanomaly

16.4513, 0.1766, 0.1273



Deuteranomaly

16.0037, 0.1830, 0.1453



Tritanomaly

17.1612, 0.2723, 0.2140

Monochromacy



Original Color

18.4019, 0.2246, 0.1243



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.5715, 0.2715, 0.2185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4019, 0.2246, 0.1243 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(152, 71, 255)` looks like.

```
.text, #text, p{  
    color:rgb(152, 71, 255)  
}
```

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(152, 71, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 71, 255) }
```

Border

The CSS property to change the border of an element to Yxy 18.4019, 0.2246, 0.1243 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(152, 71, 255) }
```

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

```
.border{ border-color:rgb(152, 71, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 71, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 71, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 71, 255);  
box-shadow:4px 4px 4px 4px rgb(152, 71,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4019, 0.2246, 0.1243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 71, 255) }
```

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

```
.background{ background-color: rgb(152, 71,  
255) }
```

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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