

Converting Colors

$Y_{xy}(19.0837, 0.2267, 0.1277)$

Have a look what the booklet for
Yxy(19.0837, 0.2267, 0.1277)
contains.

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Color

Yxy(19.1222, 0.2267, 0.1279)

Conversions

Conversions Part 1

Format	Color
Hex	9A4BFF
RGB	154, 75, 255
RGB Percent	60%, 29%, 100%
CMY	0.3959, 0.7059, 0.0001
CMYK	0.40, 0.71, 0.00, 0.00
HSL	266°, 100%, 65%
HSV	266°, 71%, 100%
XYZ	33.8937, 19.1222, 96.4931
YIQ	119.1410, -10.6960, 72.7280

Conversions

Conversions Part 2

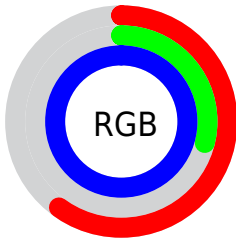
Format	Color
RYB	154, 75, 255
Decimal	10111999
CIELab	50.83, 66.51, -76.88
CIELCh	51, 101.656, 310.861
Yxy	19.1222, 0.2267, 0.1279
Android (android.graphics.Color)	4288302079 (0xFF9A4BFF)
YUV	119.1410, 66.9785, 30.5713
Hunter-Lab	43.7289, 61.8272, -100.2202

Details

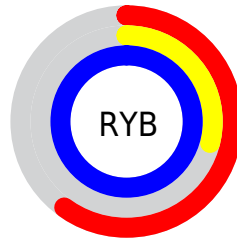
The Yxy color **19.1222, 0.2267, 0.1279** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **81.2362, 0.3529, 0.5221**, and the grayscale version is **18.2823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4814, 0.2826, 0.1970**, and **6.5755, 0.1971, 0.0882** is the 20% darker color. If you saturate the color by 10%, you get **15.0090, 0.2125, 0.1066**, and if you desaturate by 10%, it is **24.7885, 0.2415, 0.1540**.

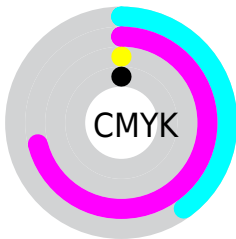
Distribution



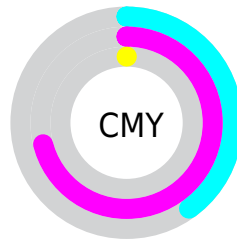
- Red (60%)
- Green (29%)
- Blue (100%)



- Red (60%)
- Yellow (29%)
- Blue (100%)



- Cyan (40%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (71%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1222, 0.2267, 0.1279 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 19.1222, 0.2267, 0.1279 by changing the saturation by 10% instead.


 19.1222, 0.2267,
0.1279


 19.1222, 0.2267,
0.1279


247.1225, 0.2758,
0.2190


 11.7586, 0.2137,
0.1094


 41.9405, 0.2453,
0.1580


 6.5795, 0.1971,
0.0882


 58.1640, 0.2522,
0.1703

 3.2006, 0.1754,
0.0646


 78.1095, 0.2578,
0.1810

 1.2373, 0.1471,
0.0396

 102.1616, 0.2626,
0.1904

 0.0919, 0.1117,
0.0050

 130.7045, 0.2667,
0.1988

 0.0000, 0.0649,
0.0000

164.1227, 0.2702,

 0.0000, 0.0000,

0.2063

0.0000

202.8006, 0.2732,
0.2130

■ 19.1222, 0.2267,
0.1279

■ 19.1222, 0.2267,
0.1279

■ 15.0090, 0.2125,
0.1066

■ 24.7885, 0.2415,
0.1540

■ 12.2643, 0.1997,
0.0911


■ 32.1593, 0.2561,
0.1832

■ 10.6617, 0.1891,
0.0816


■ 41.3694, 0.2699,
0.2139

■ 52.5393, 0.2826,
0.2446

■ 65.7788, 0.2939,
0.2743

 81.1894, 0.3038,
0.3020

 98.8660, 0.3123,
0.3276

 99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



19.1222, 0.1249, 0.1083



19.1222, 0.2267, 0.1279



19.1222, 0.4033, 0.1790

Triad

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



19.1222, 0.2267, 0.1279



19.1222, 0.5690, 0.4310



19.1222, 0.0886, 0.3342

Complementary

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



19.1222, 0.2267, 0.1279



81.2362, 0.3529, 0.5221

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.



19.1222, 0.1683, 0.5979



19.1222, 0.2267, 0.1279



19.1222, 0.4360, 0.5640

Square

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



19.1222, 0.2267, 0.1279



19.1222, 0.6410, 0.3317



19.1222, 0.2938, 0.6795



19.1222, 0.0663, 0.1771

Rectangle

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



19.1222, 0.2267, 0.1279



19.1222, 0.5349, 0.2273



19.1222, 0.2938, 0.6795



19.1222, 0.1078, 0.4184

Sweetspot

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



19.1228, 0.2267, 0.1279



65.2056, 0.2935, 0.2731



40.1518, 0.2069, 0.2266



13.1337, 0.2905, 0.2650



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.



19.1228, 0.2267, 0.1279



13.6445, 0.2067, 0.0990



31.3004, 0.3085, 0.1679



17.7680, 0.3048, 0.3049



5.6569, 0.1908, 0.0825



0.6141, 0.2034, 0.0894

Inverse Universe

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



29.4187, 0.4126, 0.2354



25.1938, 0.4430, 0.2312



74.0394, 0.3061, 0.5534



18.1577, 0.3206, 0.3157



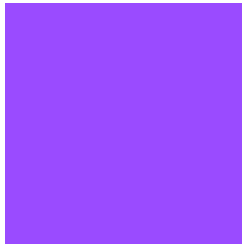
12.1759, 0.4707, 0.2367



1.2075, 0.4488, 0.2246

Previews

White Background



This preview shows how the Yxy color 19.1222, 0.2267, 0.1279 looks on a white background.

Color Contrast Check

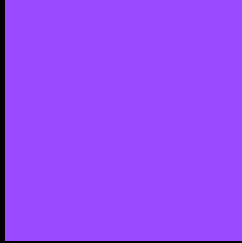
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1222, 0.2267, 0.1279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

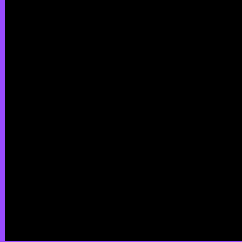
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.1222, 0.2267, 0.1279

Background



This preview shows how black text looks on a background with the Yxy color 19.1222, 0.2267, 0.1279.



This preview shows how white text looks on a background with the Yxy color 19.1222, 0.2267, 0.1279.

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

19.1222, 0.2267, 0.1279

Protanopia

19.3764, 0.1741, 0.1467

Deuteranopia

19.2703, 0.1844, 0.1836



Tritanopia

18.9248, 0.3122, 0.3124

Trichromacy



Original Color

19.1222, 0.2267, 0.1279



Protanomaly

17.1830, 0.1774, 0.1298



Deuteranomaly

16.8060, 0.1836, 0.1474



Tritanomaly

17.7930, 0.2728, 0.2153

Monochromacy



Original Color

19.1222, 0.2267, 0.1279



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

17.4332, 0.2743, 0.2231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1222, 0.2267, 0.1279 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(154, 75, 255)` looks like.

```
.text, #text, p{  
    color:rgb(154, 75, 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(154, 75, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 75, 255) }
```

Border

The CSS property to change the border of an element to Yxy 19.1222, 0.2267, 0.1279 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(154, 75, 255) }
```

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

```
.border{ border-color:rgb(154, 75, 255) }
```

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

Here you see how a box with a 4 pixel rgb(154, 75, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 75, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 75, 255);  
box-shadow:4px 4px 4px 4px rgb(154, 75,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1222, 0.2267, 0.1279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 75, 255) }
```

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

```
.background{ background-color: rgb(154, 75,  
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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