

Converting Colors

$Y_{xy}(21.3881, 0.2042, 0.1087)$

Have a look what the booklet for
Yxy(21.3881, 0.2042, 0.1087)
contains.

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Color

Yxy(18.5071, 0.2225, 0.1252)

Conversions

Conversions Part 1

Format	Color
Hex	954AFF
RGB	149, 74, 255
RGB Percent	58%, 29%, 100%
CMY	0.4157, 0.7098, 0.0001
CMYK	0.42, 0.71, 0.00, 0.00
HSL	265°, 100%, 65%
HSV	265°, 71%, 100%
XYZ	32.8900, 18.5071, 96.4232
YIQ	117.0590, -13.4010, 72.1910

Conversions

Conversions Part 2

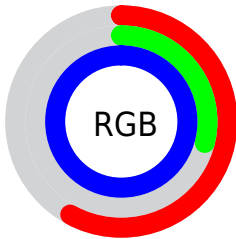
Format	Color
R _Y B	149, 74, 255
Decimal	9784063
CIE Lab	50.11, 66.09, -78.09
CIE LCh	50, 102.302, 310.245
Yxy	18.5071, 0.2225, 0.1252
Android (android.graphics.Color)	4287974143 (0xFF954AFF)
YUV	117.0590, 68.0049, 28.0123
Hunter-Lab	43.0199, 61.1839, -102.7765

Details

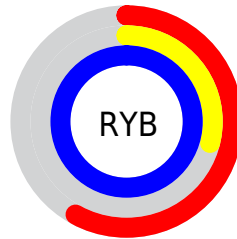
The Yxy color **18.5071, 0.2225, 0.1252** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **81.6979, 0.3559, 0.5210**, and the grayscale version is **17.5992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3600, 0.2791, 0.1938**, and **6.2745, 0.1916, 0.0852** is the 20% darker color. If you saturate the color by 10%, you get **14.4492, 0.2080, 0.1038**, and if you desaturate by 10%, it is **24.1246, 0.2377, 0.1515**.

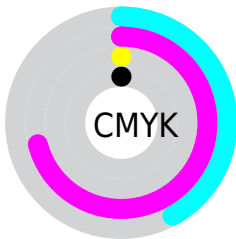
Distribution



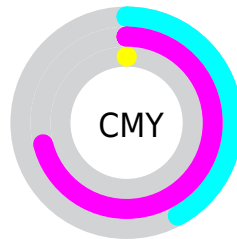
- Red (58%)
- Green (29%)
- Blue (100%)



- Red (58%)
- Yellow (29%)
- Blue (100%)



- Cyan (42%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)




- Cyan (42%)
- Magenta (71%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5071, 0.2225, 0.1252 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 18.5071, 0.2225, 0.1252 by changing the saturation by 10% instead.


 18.5071, 0.2225,
0.1252


 18.5071, 0.2225,
0.1252


243.7140, 0.2739,
0.2175


 11.3147, 0.2090,
0.1065


 40.8995, 0.2419,
0.1557


 6.2789, 0.1917,
0.0852

 56.8683, 0.2491,
0.1681

 3.0154, 0.1694,
0.0616


 76.5314, 0.2550,
0.1790

 1.1398, 0.1404,
0.0369

 100.2730, 0.2600,
0.1886

 0.0117, 0.1049,
0.0006

 128.4777, 0.2643,
0.1971

 0.0000, 0.0570,
0.0000

161.5299, 0.2679,

 0.0000, 0.0000,

0.2046

0.0000

199.8138, 0.2711,
0.2114

■ 18.5071, 0.2225,
0.1252

■ 18.5071, 0.2225,
0.1252

■ 14.4492, 0.2080,
0.1038

■ 24.1246, 0.2377,
0.1515

■ 11.7640, 0.1950,
0.0883


■ 31.4552, 0.2529,
0.1811

■ 10.2621, 0.1849,
0.0792

■ 40.6348, 0.2674,
0.2121

■ 51.7852, 0.2807,
0.2431

■ 65.0173, 0.2926,
0.2730

 80.4335, 0.3030,
0.3010

 98.1296, 0.3119,
0.3266

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



18.5071, 0.1215, 0.1062



18.5071, 0.2225, 0.1252



18.5071, 0.4002, 0.1758

Triad

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



18.5071, 0.2225, 0.1252



18.5071, 0.5727, 0.4273



18.5071, 0.0870, 0.3384

Complementary

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



18.5071, 0.2225, 0.1252



81.6979, 0.3559, 0.5210

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.



18.5071, 0.1678, 0.6083



18.5071, 0.2225, 0.1252



18.5071, 0.4381, 0.5619

Square

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



18.5071, 0.2225, 0.1252



18.5071, 0.6452, 0.3283



18.5071, 0.2945, 0.6840



18.5071, 0.0643, 0.1768

Rectangle

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



18.5071, 0.2225, 0.1252



18.5071, 0.5347, 0.2241



18.5071, 0.2945, 0.6840



18.5071, 0.1064, 0.4252

Sweetspot

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



18.5077, 0.2225, 0.1252



64.9937, 0.2926, 0.2729



42.3720, 0.2085, 0.2343



13.0836, 0.2894, 0.2648



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.



18.5077, 0.2225, 0.1252



13.2175, 0.2025, 0.0968



30.1007, 0.3027, 0.1645



17.7454, 0.3044, 0.3049



5.4460, 0.1866, 0.0802



0.5925, 0.1992, 0.0871

Inverse Universe

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



29.4484, 0.4072, 0.2310



25.3852, 0.4347, 0.2264



74.2782, 0.3083, 0.5530



18.1655, 0.3202, 0.3152



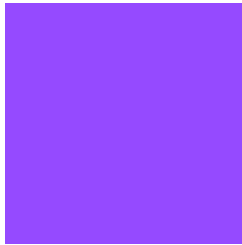
12.2784, 0.4604, 0.2310



1.2173, 0.4401, 0.2198

Previews

White Background



This preview shows how the Yxy color 18.5071, 0.2225, 0.1252 looks on a white background.

Color Contrast Check

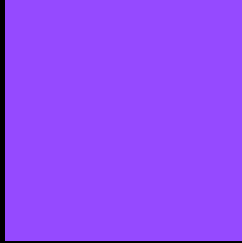
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5071, 0.2225, 0.1252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

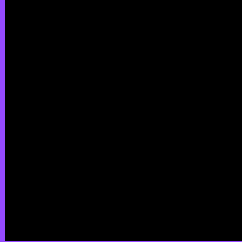
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5071, 0.2225, 0.1252

Background



This preview shows how black text looks on a background with the Yxy color 18.5071, 0.2225, 0.1252.



This preview shows how white text looks on a background with the Yxy color 18.5071, 0.2225, 0.1252.

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

18.5071, 0.2225, 0.1252

Protanopia

18.6723, 0.1741, 0.1467

Deuteranopia

18.5722, 0.1846, 0.1844



Tritanopia

18.2480, 0.3049, 0.3101

Trichromacy



Original Color

18.5071, 0.2225, 0.1252



Protanomaly

16.6140, 0.1766, 0.1283



Deuteranomaly

16.3784, 0.1833, 0.1479



Tritanomaly

17.1886, 0.2671, 0.2120

Monochromacy



Original Color

18.5071, 0.2225, 0.1252



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

16.7645, 0.2716, 0.2201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5071, 0.2225, 0.1252 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(149, 74, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 74, 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(149, 74, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 74, 255) }
```

Border

The CSS property to change the border of an element to Yxy 18.5071, 0.2225, 0.1252 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(149, 74, 255) }
```

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

```
.border{ border-color:rgb(149, 74, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 74, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 74, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 74, 255);  
box-shadow:4px 4px 4px 4px rgb(149, 74,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5071, 0.2225, 0.1252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 74, 255) }
```

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

```
.background{ background-color: rgb(149, 74,  
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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