

Converting Colors

$Y_{xy}(18.9265, 0.2205, 0.1308)$

Have a look what the booklet for
Yxy(18.9265, 0.2205, 0.1308)
contains.

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Color

Yxy(18.9025, 0.2203, 0.1305)

Conversions

Conversions Part 1

Format	Color
Hex	8F52FC
RGB	143, 82, 252
RGB Percent	56%, 32%, 99%
CMY	0.4392, 0.6783, 0.0119
CMYK	0.43, 0.67, 0.00, 0.01
HSL	262°, 97%, 65%
HSV	262°, 67%, 99%
XYZ	31.9097, 18.9025, 94.0345
YIQ	119.6190, -18.2140, 65.8020

Conversions

Conversions Part 2

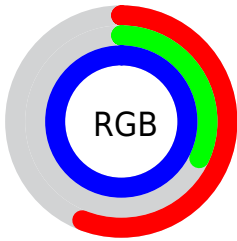
Format	Color
R _Y B	143, 82, 252
Decimal	9392892
CIE Lab	50.57, 60.56, -75.68
CIE LCh	51, 96.925, 308.665
Yxy	18.9025, 0.2203, 0.1305
Android (android.graphics.Color)	4287582972 (0xFF8F52FC)
YUV	119.6190, 65.2638, 20.5051
Hunter-Lab	43.4770, 54.9245, -97.8018

Details

The Yxy color **18.9025, 0.2203, 0.1305** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **81.2859, 0.3619, 0.5089**, and the grayscale version is **18.4499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2445, 0.2736, 0.1984**, and **6.4749, 0.1892, 0.0904** is the 20% darker color. If you saturate the color by 10%, you get **14.4346, 0.2047, 0.1065**, and if you desaturate by 10%, it is **24.9735, 0.2367, 0.1590**.

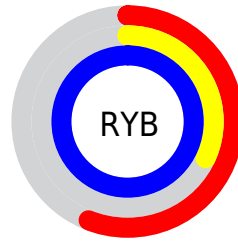
Distribution



Red (56%)

Green (32%)

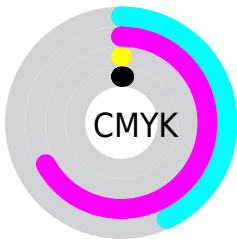
Blue (99%)



Red (56%)

Yellow (32%)

Blue (99%)

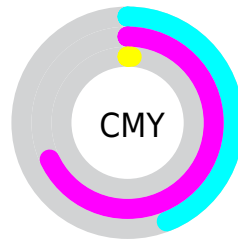


Cyan (43%)

Magenta (67%)

Yellow (0%)

Black (1%)



Cyan (44%)


Magenta (68%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9025, 0.2203, 0.1305 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 18.9025, 0.2203, 0.1305 by changing the saturation by 10% instead.

 18.9025, 0.2203,
0.1305


 18.9025, 0.2203,
0.1305


245.9100, 0.2724,
0.2215


 11.5998, 0.2067,
0.1118


 41.5693, 0.2400,
0.1608

 6.4718, 0.1892,
0.0903


 57.7022, 0.2472,
0.1730


 3.1340, 0.1667,
0.0661


 77.5473, 0.2532,
0.1837

 1.2021, 0.1375,
0.0405

 101.4891, 0.2583,
0.1932

 0.0634, 0.1015,
0.0037

 129.9118, 0.2626,
0.2015

 0.0000, 0.0514,
0.0000

163.1999, 0.2663,

 0.0000, 0.0000,

0.2089

0.0000

201.7379, 0.2696,
0.2155

■ 18.9025, 0.2203,
0.1305

■ 18.9025, 0.2203,
0.1305

■ 14.4346, 0.2047,
0.1065

■ 24.9735, 0.2367,
0.1590

■ 11.3980, 0.1907,
0.0884

■ 32.7912, 0.2529,
0.1901


■ 9.5731, 0.1790,
0.0768

■ 42.4845, 0.2682,
0.2220

■ 9.2197, 0.1763,
0.0745

■ 54.1696, 0.2822,
0.2533

■ 67.9528, 0.2947,
0.2829

 83.9329, 0.3056,
0.3103

99.8062, 0.3145,
0.3319

Harmonies

Analogous

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



18.9025, 0.1249, 0.1133



18.9025, 0.2203, 0.1305



18.9025, 0.3862, 0.1788

Triad

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



18.9025, 0.2203, 0.1305



18.9025, 0.5737, 0.4263



18.9025, 0.0989, 0.3521

Complementary

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



18.9025, 0.2203, 0.1305



81.2859, 0.3619, 0.5089

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.



18.9025, 0.1834, 0.5995



18.9025, 0.2203, 0.1305



18.9025, 0.4483, 0.5517

Square

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



18.9025, 0.2203, 0.1305



18.9025, 0.6325, 0.3297



18.9025, 0.3093, 0.6625



18.9025, 0.0721, 0.1901

Rectangle

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



18.9025, 0.2203, 0.1305



18.9025, 0.5136, 0.2258



18.9025, 0.3093, 0.6625



18.9025, 0.1200, 0.4344

Sweetspot

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



18.9031, 0.2203, 0.1305



65.9822, 0.2917, 0.2755



46.7344, 0.2154, 0.2516



13.2568, 0.2882, 0.2672



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.



18.9031, 0.2203, 0.1305



13.5488, 0.1994, 0.0992



29.3099, 0.2954, 0.1662



16.9460, 0.3035, 0.3049



4.8792, 0.1780, 0.0754



0.5092, 0.1910, 0.0826

Inverse Universe

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



30.4888, 0.3880, 0.2251



26.7429, 0.4099, 0.2165



73.3675, 0.3128, 0.5405



17.4127, 0.3193, 0.3139



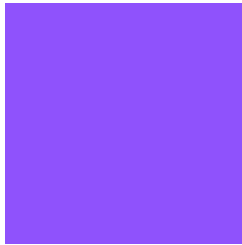
12.1610, 0.4376, 0.2184



1.1466, 0.4199, 0.2087

Previews

White Background



This preview shows how the Yxy color 18.9025, 0.2203, 0.1305 looks on a white background.

Color Contrast Check

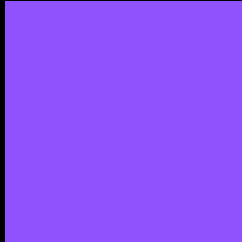
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9025, 0.2203, 0.1305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

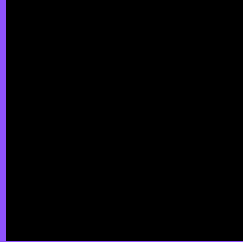
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9025, 0.2203, 0.1305

Background



This preview shows how black text looks on a background with the Yxy color 18.9025, 0.2203, 0.1305.



This preview shows how white text looks on a background with the Yxy color 18.9025, 0.2203, 0.1305.

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

18.9025, 0.2203, 0.1305

Protanopia

19.0834, 0.1739, 0.1460

Deuteranopia

18.9700, 0.1842, 0.1830



Tritanopia

18.8639, 0.2944, 0.3118

Trichromacy



Original Color

18.9025, 0.2203, 0.1305



Protanomaly

17.4080, 0.1771, 0.1322



Deuteranomaly

17.0012, 0.1835, 0.1511



Tritanomaly

17.9314, 0.2615, 0.2196

Monochromacy



Original Color

18.9025, 0.2203, 0.1305



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

17.7244, 0.2701, 0.2266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9025, 0.2203, 0.1305 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(143, 82, 252)` looks like.

```
.text, #text, p{  
    color:rgb(143, 82, 252)  
}
```

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(143, 82, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 82, 252) }
```

Border

The CSS property to change the border of an element to Yxy 18.9025, 0.2203, 0.1305 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(143, 82, 252) }
```

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

```
.border{ border-color:rgb(143, 82, 252) }
```

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

Here you see how a box with a 4 pixel rgb(143, 82, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 82, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 82, 252);  
box-shadow:4px 4px 4px 4px rgb(143, 82,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9025, 0.2203, 0.1305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 82, 252) }
```

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

```
.background{ background-color: rgb(143, 82,  
252) }
```

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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