

Converting Colors

$Y_{xy}(18.9621, 0.2282, 0.1424)$

Have a look what the booklet for
Yxy(18.9621, 0.2282, 0.1424)
contains.

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Color

Yxy(18.8880, 0.2281, 0.1421)

Conversions

Conversions Part 1

Format	Color
Hex	8F57EF
RGB	143, 87, 239
RGB Percent	56%, 34%, 94%
CMY	0.4391, 0.6589, 0.0627
CMYK	0.40, 0.64, 0.00, 0.06
HSL	262°, 83%, 64%
HSV	262°, 64%, 94%
XYZ	30.3192, 18.8880, 83.7133
YIQ	121.0720, -15.4160, 59.1440

Conversions

Conversions Part 2

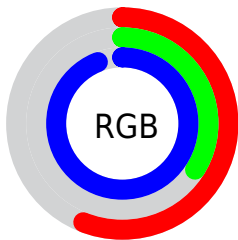
Format	Color
R _Y B	143, 87, 239
Decimal	9394159
CIE _{Lab}	50.56, 54.76, -68.47
CIE _{LCh}	51, 87.672, 308.650
Yxy	18.8880, 0.2281, 0.1421
Android (android.graphics.Color)	4287584239 (0xFF8F57EF)
YUV	121.0720, 58.1385, 19.2309
Hunter-Lab	43.4603, 48.4711, -83.7822

Details

The Yxy color **18.8880, 0.2281, 0.1421** 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 **72.4879, 0.3597, 0.5004**, and the grayscale version is **18.9578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5327, 0.2731, 0.2032**, and **6.4643, 0.1985, 0.1010** is the 20% darker color. If you saturate the color by 10%, you get **14.3811, 0.2123, 0.1163**, and if you desaturate by 10%, it is **24.8577, 0.2443, 0.1716**.

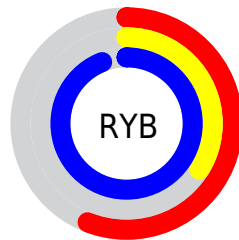
Distribution



Red (56%)

Green (34%)

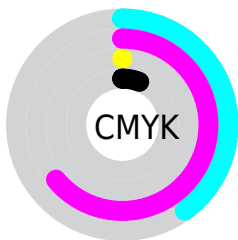
Blue (94%)



Red (56%)

Yellow (34%)

Blue (94%)

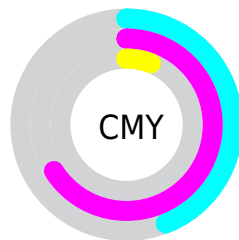


Cyan (40%)

Magenta (64%)

Yellow (0%)

Black (6%)



Cyan (44%)


Magenta (66%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8880, 0.2281, 0.1421 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 18.8880, 0.2281, 0.1421 by changing the saturation by 10% instead.

 18.8880, 0.2281,
0.1421


 18.8880, 0.2281,
0.1421


245.8298, 0.2763,
0.2301


 11.5894, 0.2151,
0.1232


 41.5448, 0.2466,
0.1720


 6.4647, 0.1982,
0.1011


 57.6717, 0.2533,
0.1839

 3.1297, 0.1760,
0.0757


 77.5102, 0.2588,
0.1942

 1.1998, 0.1463,
0.0476

 101.4446, 0.2635,
0.2032

 0.0615, 0.1088,
0.0044

 129.8594, 0.2674,
0.2112

 0.0000, 0.0473,
0.0000

163.1389, 0.2708,

 0.0000, 0.0000,

0.2182

0.0000

201.6676, 0.2738,
0.2245

■ 18.8880, 0.2281,
0.1421

■ 18.8880, 0.2281,
0.1421

■ 14.3811, 0.2123,
0.1163

■ 24.8577, 0.2443,
0.1716

■ 11.1961, 0.1976,
0.0958

■ 32.4091, 0.2599,
0.2030


■ 9.1651, 0.1850,
0.0816

■ 41.6510, 0.2745,
0.2346


■ 8.3121, 0.1781,
0.0755

■ 52.6813, 0.2877,
0.2652

■ 65.5906, 0.2994,
0.2938

 80.4632, 0.3095,
0.3201

 97.3782, 0.3181,
0.3439

 99.0123, 0.3220,
0.3444

Harmonies

Analogous

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



18.8880, 0.1364, 0.1254



18.8880, 0.2281, 0.1421



18.8880, 0.3810, 0.1891

Triad

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



18.8880, 0.2281, 0.1421



18.8880, 0.5611, 0.4302



18.8880, 0.1141, 0.3531

Complementary

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



18.8880, 0.2281, 0.1421



72.4879, 0.3597, 0.5004

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.



18.8880, 0.1980, 0.5690



18.8880, 0.2281, 0.1421



18.8880, 0.4517, 0.5473

Square

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



18.8880, 0.2281, 0.1421



18.8880, 0.6099, 0.3376



18.8880, 0.3197, 0.6349



18.8880, 0.0851, 0.2029

Rectangle

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



18.8880, 0.2281, 0.1421



18.8880, 0.4960, 0.2345



18.8880, 0.3197, 0.6349



18.8880, 0.1355, 0.4256

Sweetspot

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



18.8886, 0.2281, 0.1421



67.5407, 0.2932, 0.2785



42.2348, 0.2190, 0.2535



13.5638, 0.2898, 0.2701



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.



18.8886, 0.2281, 0.1421



15.5361, 0.2082, 0.1102



28.0660, 0.2994, 0.1746



15.5124, 0.3037, 0.3050



4.6614, 0.1796, 0.0763



0.4425, 0.1942, 0.0843

Inverse Universe

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



28.5838, 0.3837, 0.2306



28.0612, 0.4045, 0.2203



65.5662, 0.3123, 0.5293



15.9268, 0.3194, 0.3142



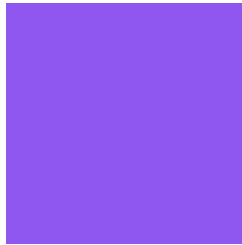
11.4001, 0.4412, 0.2204



0.9675, 0.4212, 0.2094

Previews

White Background



This preview shows how the Yxy color 18.8880, 0.2281, 0.1421 looks on a white background.

Color Contrast Check

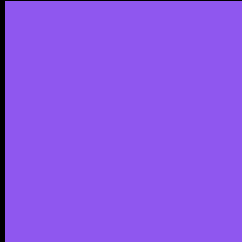
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8880, 0.2281, 0.1421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

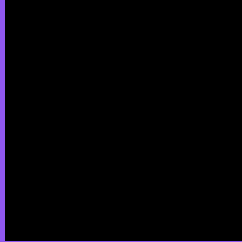
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8880, 0.2281, 0.1421

Background



This preview shows how black text looks on a background with the Yxy color 18.8880, 0.2281, 0.1421.



This preview shows how white text looks on a background with the Yxy color 18.8880, 0.2281, 0.1421.

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

18.8880, 0.2281, 0.1421

Protanopia

19.1446, 0.1737, 0.1454

Deuteranopia

19.0210, 0.1839, 0.1820



Tritanopia

18.8695, 0.3001, 0.3120

Trichromacy



Original Color

18.8880, 0.2281, 0.1421



Protanomaly

17.3043, 0.1785, 0.1364



Deuteranomaly

17.2096, 0.1853, 0.1570



Tritanomaly

18.1017, 0.2683, 0.2283

Monochromacy



Original Color

18.8880, 0.2281, 0.1421



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

18.2847, 0.2755, 0.2373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8880, 0.2281, 0.1421 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, 87, 239)` looks like.

```
.text, #text, p{  
  color:rgb(143, 87, 239)  
}
```

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, 87, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 87, 239) }
```

Border

The CSS property to change the border of an element to Yxy 18.8880, 0.2281, 0.1421 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, 87, 239) }
```

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

```
.border{ border-color:rgb(143, 87, 239) }
```

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

Here you see how a box with a 4 pixel rgb(143, 87, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 87, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 87, 239);  
box-shadow:4px 4px 4px 4px rgb(143, 87,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8880, 0.2281, 0.1421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 87, 239) }
```

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

```
.background{ background-color: rgb(143, 87,  
239) }
```

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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