

Converting Colors

$Y_{xy}(19.5427, 0.2143, 0.1348)$

Have a look what the booklet for
Yxy(19.5427, 0.2143, 0.1348)
contains.

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Color

Yxy(19.4970, 0.2141, 0.1347)

Conversions

Conversions Part 1

Format	Color
Hex	855BFC
RGB	133, 91, 252
RGB Percent	52%, 36%, 99%
CMY	0.4784, 0.6432, 0.0116
CMYK	0.47, 0.64, 0.00, 0.01
HSL	256°, 96%, 67%
HSV	256°, 64%, 99%
XYZ	30.9897, 19.4970, 94.2572
YIQ	121.9120, -26.6490, 58.9750

Conversions

Conversions Part 2

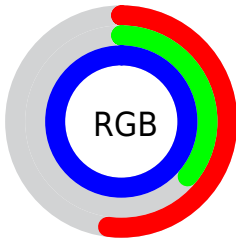
Format	Color
R_{YB}	133, 91, 252
Decimal	8739836
CIE _{Lab}	51.26, 54.21, -74.64
CIE _{LCh}	51, 92.246, 305.989
Yxy	19.4970, 0.2141, 0.1347
Android (android.graphics.Color)	4286929916 (0xFF855BFC)
YUV	121.9120, 64.1334, 9.7242
Hunter-Lab	44.1554, 48.0050, -95.6558

Details

The Yxy color **19.4970, 0.2141, 0.1347** 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 **84.1045, 0.3719, 0.4942**, and the grayscale version is **19.2250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2024, 0.2661, 0.2038**, and **6.7830, 0.1826, 0.0949** is the 20% darker color. If you saturate the color by 10%, you get **14.5046, 0.1970, 0.1078**, and if you desaturate by 10%, it is **26.2055, 0.2322, 0.1657**.

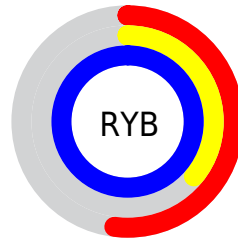
Distribution



Red (52%)

Green (36%)

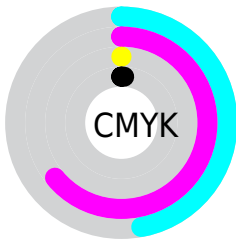
Blue (99%)



Red (52%)

Yellow (36%)

Blue (99%)

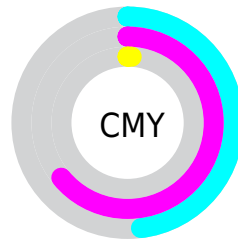


Cyan (47%)

Magenta (64%)

Yellow (0%)

Black (1%)



Cyan (48%)


Magenta (64%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4970, 0.2141, 0.1347 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 19.4970, 0.2141, 0.1347 by changing the saturation by 10% instead.


 19.4970, 0.2141,
0.1347


 19.4970, 0.2141,
0.1347


249.1789, 0.2687,
0.2244


 12.0299, 0.2000,
0.1160


 42.5722, 0.2345,
0.1648

 6.7641, 0.1822,
0.0945


 58.9492, 0.2421,
0.1768

 3.3150, 0.1593,
0.0701


 79.0650, 0.2484,
0.1874

 1.2983, 0.1299,
0.0438

 103.3039, 0.2537,
0.1967

 0.1399, 0.0938,
0.0081

132.0503, 0.2583,
0.2048

 0.0000, 0.0429,
0.0000

165.6887, 0.2623,

 0.0000, 0.0000,

0.2121

0.0000

204.6034, 0.2657,
0.2186

■ 19.4970, 0.2141,
0.1347

■ 19.4970, 0.2141,
0.1347

■ 14.5046, 0.1970,
0.1078

■ 26.2055, 0.2322,
0.1657

■ 11.0609, 0.1819,
0.0869

■ 34.7721, 0.2501,
0.1986


■ 8.9660, 0.1699,
0.0732

■ 45.3257, 0.2671,
0.2316

■ 8.1807, 0.1642,
0.0678

■ 57.9830, 0.2826,
0.2632

■ 72.8515, 0.2964,
0.2926

 90.0314, 0.3085,
0.3193

99.8107, 0.3144,
0.3318

Harmonies

Analogous

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



19.4970, 0.1262, 0.1204



19.4970, 0.2141, 0.1347



19.4970, 0.3669, 0.1796

Triad

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



19.4970, 0.2141, 0.1347



19.4970, 0.5744, 0.4194



19.4970, 0.1130, 0.3722

Complementary

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



19.4970, 0.2141, 0.1347



84.1045, 0.3719, 0.4942

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.



19.4970, 0.2024, 0.5966



19.4970, 0.2141, 0.1347



19.4970, 0.4621, 0.5379

Square

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



19.4970, 0.2141, 0.1347



19.4970, 0.6187, 0.3274



19.4970, 0.3274, 0.6410



19.4970, 0.0806, 0.2071

Rectangle

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



19.4970, 0.2141, 0.1347



19.4970, 0.4879, 0.2245



19.4970, 0.3274, 0.6410



19.4970, 0.1362, 0.4506

Sweetspot

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



19.4976, 0.2141, 0.1347



66.7177, 0.2896, 0.2779



56.2290, 0.2244, 0.2781



13.3671, 0.2856, 0.2694



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.



19.4976, 0.2141, 0.1347



13.6194, 0.1920, 0.1005



28.4742, 0.2815, 0.1656



16.8619, 0.3020, 0.3048



4.3199, 0.1655, 0.0686



0.4490, 0.1773, 0.0750

Inverse Universe

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



32.8365, 0.3635, 0.2149



28.7007, 0.3777, 0.2020



75.2455, 0.3217, 0.5249



17.4427, 0.3178, 0.3116



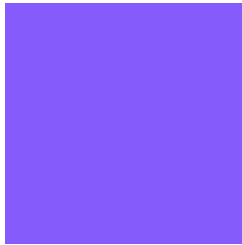
12.6582, 0.4003, 0.1979



1.1897, 0.3887, 0.1915

Previews

White Background



This preview shows how the Yxy color 19.4970, 0.2141, 0.1347 looks on a white background.

Color Contrast Check

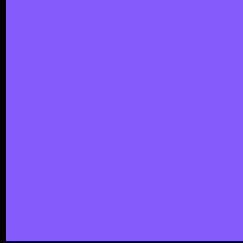
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4970, 0.2141, 0.1347 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 19.4970, 0.2141, 0.1347

Background



This preview shows how black text looks on a background with the Yxy color 19.4970, 0.2141, 0.1347.



This preview shows how white text looks on a background with the Yxy color 19.4970, 0.2141, 0.1347.

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

19.4970, 0.2141, 0.1347

Protanopia

19.5621, 0.1735, 0.1447

Deuteranopia

19.6251, 0.1843, 0.1833



Tritanopia

19.4660, 0.2747, 0.3096

Trichromacy



Original Color

19.4970, 0.2141, 0.1347



Protanomaly

18.2556, 0.1768, 0.1354



Deuteranomaly

18.0958, 0.1836, 0.1562



Tritanomaly

18.5353, 0.2474, 0.2209

Monochromacy



Original Color

19.4970, 0.2141, 0.1347



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.6691, 0.2677, 0.2330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4970, 0.2141, 0.1347 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(133, 91, 252)` looks like.

```
.text, #text, p{  
  color:rgb(133, 91, 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(133, 91, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 91, 252) }
```

Border

The CSS property to change the border of an element to Yxy 19.4970, 0.2141, 0.1347 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(133, 91, 252) }
```

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

```
.border{ border-color:rgb(133, 91, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 91, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 91, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 91, 252);  
box-shadow:4px 4px 4px 4px rgb(133, 91,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4970, 0.2141, 0.1347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 91, 252) }
```

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

```
.background{ background-color: rgb(133, 91,  
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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