

Converting Colors

$Y_{xy}(21.1268, 0.2045, 0.1224)$

Have a look what the booklet for
Yxy(21.1268, 0.2045, 0.1224)
contains.

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Color

Yxy(19.6007, 0.2133, 0.1326)

Conversions

Conversions Part 1

Format	Color
Hex	865AFF
RGB	134, 90, 255
RGB Percent	53%, 35%, 100%
CMY	0.4745, 0.6470, 0.0002
CMYK	0.47, 0.65, 0.00, 0.00
HSL	256°, 100%, 68%
HSV	256°, 65%, 100%
XYZ	31.5296, 19.6007, 96.6879
YIQ	121.9660, -26.7410, 60.6430

Conversions

Conversions Part 2

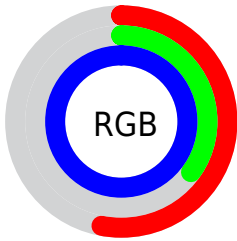
Format	Color
RYB	134, 90, 255
Decimal	8805119
CIELab	51.38, 55.68, -76.06
CIElCh	51, 94.261, 306.207
Yxy	19.6007, 0.2133, 0.1326
Android (android.graphics.Color)	4286995199 (0xFF865AFF)
YUV	121.9660, 65.5858, 10.5538
Hunter-Lab	44.2727, 49.6450, -98.4937

Details

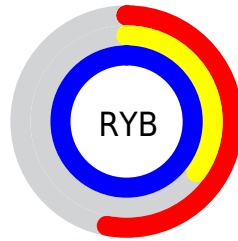
The Yxy color **19.6007, 0.2133, 0.1326** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **86.0748, 0.3716, 0.4963**, and the grayscale version is **19.2419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1681, 0.2676, 0.2033**, and **6.7843, 0.1812, 0.0922** is the 20% darker color. If you saturate the color by 10%, you get **14.6086, 0.1963, 0.1062**, and if you desaturate by 10%, it is **26.3398, 0.2313, 0.1633**.

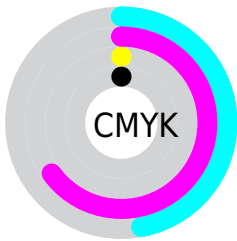
Distribution



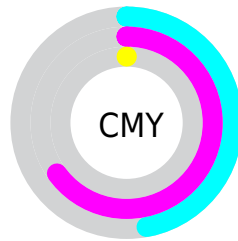
- Red (53%)
- Green (35%)
- Blue (100%)



- Red (53%)
- Yellow (35%)
- Blue (100%)



- Cyan (47%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6007, 0.2133, 0.1326 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 19.6007, 0.2133, 0.1326 by changing the saturation by 10% instead.


 19.6007, 0.2133,
0.1326


 19.6007, 0.2133,
0.1326


249.7452, 0.2682,
0.2228


 12.1051, 0.1992,
0.1140


 42.7467, 0.2338,
0.1627


 6.8153, 0.1814,
0.0926


 59.1659, 0.2414,
0.1748

 3.3469, 0.1586,
0.0685


 79.3285, 0.2478,
0.1854

 1.3154, 0.1294,
0.0427

 103.6188, 0.2531,
0.1947

 0.1531, 0.0937,
0.0085

132.4212, 0.2578,
0.2030

 0.0000, 0.0453,
0.0000

166.1202, 0.2617,

 0.0000, 0.0000,

0.2103

0.0000

205.1000, 0.2652,
0.2169

■ 19.6007, 0.2133,
0.1326

■ 19.6007, 0.2133,
0.1326

■ 14.6086, 0.1963,
0.1062

■ 26.3398, 0.2313,
0.1633

■ 11.1894, 0.1815,
0.0859

■ 34.9733, 0.2492,
0.1960

■ 9.1340, 0.1697,
0.0727

■ 45.6343, 0.2662,
0.2290

■ 8.4445, 0.1647,
0.0681

■ 58.4435, 0.2817,
0.2608

■ 73.5120, 0.2956,
0.2904

90.9428, 0.3076,
0.3173

99.9969, 0.3127,
0.3290

Harmonies

Analogous

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



19.6007, 0.1244, 0.1180



19.6007, 0.2133, 0.1326



19.6007, 0.3690, 0.1779

Triad

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



19.6007, 0.2133, 0.1326



19.6007, 0.5769, 0.4196



19.6007, 0.1095, 0.3708

Complementary

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



19.6007, 0.2133, 0.1326



86.0748, 0.3716, 0.4963

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.



19.6007, 0.1988, 0.6018



19.6007, 0.2133, 0.1326



19.6007, 0.4606, 0.5394

Square

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



19.6007, 0.2133, 0.1326



19.6007, 0.6234, 0.3264



19.6007, 0.3245, 0.6466



19.6007, 0.0779, 0.2038

Rectangle

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



19.6007, 0.2133, 0.1326



19.6007, 0.4923, 0.2233



19.6007, 0.3245, 0.6466



19.6007, 0.1326, 0.4511

Sweetspot

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



19.6013, 0.2133, 0.1326



66.7602, 0.2898, 0.2779



57.3436, 0.2236, 0.2773



13.3772, 0.2858, 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.



19.6013, 0.2133, 0.1326



13.3169, 0.1911, 0.0987



28.7878, 0.2809, 0.1639



17.6119, 0.3020, 0.3047



4.4759, 0.1661, 0.0689



0.4864, 0.1773, 0.0750

Inverse Universe

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



33.2702, 0.3655, 0.2147



28.3613, 0.3803, 0.2023



77.0737, 0.3215, 0.5274



18.2128, 0.3179, 0.3117



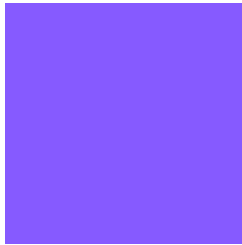
13.0102, 0.4025, 0.1991



1.2849, 0.3910, 0.1928

Previews

White Background



This preview shows how the Yxy color 19.6007, 0.2133, 0.1326 looks on a white background.

Color Contrast Check

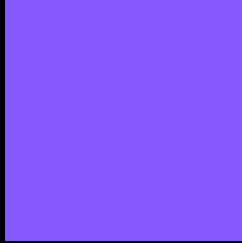
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6007, 0.2133, 0.1326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

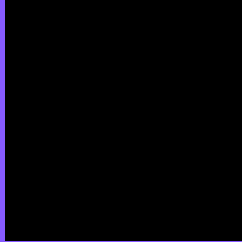
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6007, 0.2133, 0.1326

Background



This preview shows how black text looks on a background with the Yxy color 19.6007, 0.2133, 0.1326.



This preview shows how white text looks on a background with the Yxy color 19.6007, 0.2133, 0.1326.

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

19.6007, 0.2133, 0.1326

Protanopia

19.7964, 0.1739, 0.1460

Deuteranopia

19.6251, 0.1843, 0.1833



Tritanopia

19.5241, 0.2757, 0.3096

Trichromacy



Original Color

19.6007, 0.2133, 0.1326



Protanomaly

18.3431, 0.1769, 0.1350



Deuteranomaly

17.9545, 0.1832, 0.1541



Tritanomaly

18.6423, 0.2475, 0.2199

Monochromacy



Original Color

19.6007, 0.2133, 0.1326



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.4898, 0.2666, 0.2300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6007, 0.2133, 0.1326 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(134, 90, 255)` looks like.

```
.text, #text, p{  
    color:rgb(134, 90, 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(134, 90, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 90, 255) }
```

Border

The CSS property to change the border of an element to Yxy 19.6007, 0.2133, 0.1326 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(134, 90, 255) }
```

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

```
.border{ border-color:rgb(134, 90, 255) }
```

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

Here you see how a box with a 4 pixel rgb(134, 90, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 90, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 90, 255);  
box-shadow:4px 4px 4px 4px rgb(134, 90,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6007, 0.2133, 0.1326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 90, 255) }
```

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

```
.background{ background-color: rgb(134, 90,  
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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