

Converting Colors

$Y_{xy}(19.7652, 0.2380, 0.1295)$

Have a look what the booklet for
Yxy(19.7652, 0.2380, 0.1295)
contains.

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Color

Yxy(19.8011, 0.2380, 0.1297)

Conversions

Conversions Part 1

Format	Color
Hex	A845FF
RGB	168, 69, 255
RGB Percent	66%, 27%, 100%
CMY	0.3410, 0.7296, 0.0000
CMYK	0.34, 0.73, 0.00, 0.00
HSL	272°, 100%, 64%
HSV	272°, 73%, 100%
XYZ	36.3351, 19.8011, 96.5323
YIQ	119.8050, -0.7020, 78.8340

Conversions

Conversions Part 2

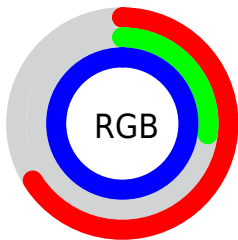
Format	Color
R _{YB}	168, 69, 255
Decimal	11027967
CIE Lab	51.61, 71.45, -75.56
CIE LCh	52, 103.995, 313.400
Yxy	19.8011, 0.2380, 0.1297
Android (android.graphics.Color)	4289218047 (0xFFA845FF)
YUV	119.8050, 66.6511, 42.2670
Hunter-Lab	44.4984, 67.8815, -97.4713

Details

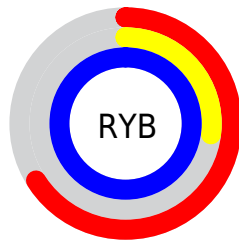
The Yxy color **19.8011, 0.2380, 0.1297** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **79.0088, 0.3420, 0.5348**, and the grayscale version is **18.4966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3812, 0.2946, 0.1971**, and **7.2194, 0.2116, 0.0940** is the 20% darker color. If you saturate the color by 10%, you get **16.0613, 0.2257, 0.1110**, and if you desaturate by 10%, it is **25.0056, 0.2507, 0.1532**.

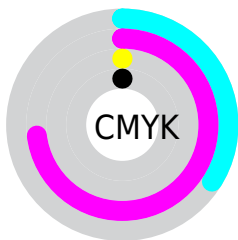
Distribution



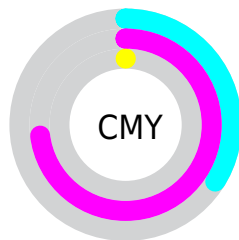
- Red (66%)
- Green (27%)
- Blue (100%)



- Red (66%)
- Yellow (27%)
- Blue (100%)



- Cyan (34%)
- Magenta (73%)
- Yellow (0%)
- Black (0%)





- Cyan (34%)
- Magenta (73%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8011, 0.2380, 0.1297 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 19.8011, 0.2380, 0.1297 by changing the saturation by 10% instead.


 19.8011, 0.2380,
0.1297


 19.8011, 0.2380,
0.1297


250.8363, 0.2816,
0.2195


 12.2505, 0.2262,
0.1114


 43.0835, 0.2547,
0.1594


 6.9145, 0.2109,
0.0906

 59.5841, 0.2608,
0.1714


 3.4087, 0.1908,
0.0671


 79.8368, 0.2658,
0.1820

 1.3487, 0.1640,
0.0421

 104.2261, 0.2700,
0.1913

 0.1784, 0.1295,
0.0095

 133.1362, 0.2736,
0.1996

 0.0000, 0.0832,
0.0000

166.9518, 0.2767,

 0.0000, 0.0000,

0.2069

0.0000

206.0570, 0.2793,
0.2135

■ 19.8011, 0.2380,
0.1297

■ 19.8011, 0.2380,
0.1297

■ 16.0613, 0.2257,
0.1110

■ 25.0056, 0.2507,
0.1532

■ 13.5988, 0.2143,
0.0978


■ 31.8335, 0.2631,
0.1803


■ 12.4382, 0.2069,
0.0914

■ 40.4200, 0.2749,
0.2093

■ 50.8859, 0.2857,
0.2390

■ 63.3414, 0.2953,
0.2681

 77.8879, 0.3037,
0.2959

 94.6196, 0.3108,
0.3217

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



19.8011, 0.1297, 0.1075



19.8011, 0.2380, 0.1297



19.8011, 0.4216, 0.1835

Triad

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



19.8011, 0.2380, 0.1297



19.8011, 0.5598, 0.4402



19.8011, 0.0832, 0.3147

Complementary

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



19.8011, 0.2380, 0.1297



79.0088, 0.3420, 0.5348

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.



19.8011, 0.1573, 0.5810



19.8011, 0.2380, 0.1297



19.8011, 0.4232, 0.5768

Square

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



19.8011, 0.2380, 0.1297



19.8011, 0.6410, 0.3377



19.8011, 0.2807, 0.6867



19.8011, 0.0649, 0.1679

Rectangle

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



19.8011, 0.2380, 0.1297



19.8011, 0.5519, 0.2328



19.8011, 0.2807, 0.6867



19.8011, 0.1005, 0.3961

Sweetspot

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



19.8004, 0.2380, 0.1297



64.6423, 0.2962, 0.2708



33.2381, 0.1988, 0.2009



13.0583, 0.2937, 0.2631



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.



19.8004, 0.2380, 0.1297



14.6738, 0.2198, 0.1036



32.5330, 0.3231, 0.1726



17.8540, 0.3063, 0.3050



6.5890, 0.2086, 0.0923



0.7066, 0.2205, 0.0988

Inverse Universe

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



27.9086, 0.4428, 0.2504



23.9823, 0.4835, 0.2514



73.2523, 0.3010, 0.5599



18.1284, 0.3220, 0.3179



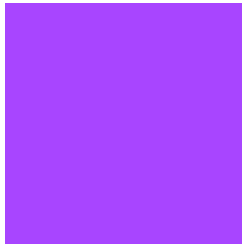
11.8367, 0.5103, 0.2585



1.1743, 0.4831, 0.2435

Previews

White Background



This preview shows how the Yxy color 19.8011, 0.2380, 0.1297 looks on a white background.

Color Contrast Check

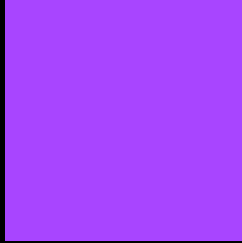
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8011, 0.2380, 0.1297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

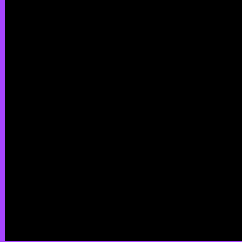
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8011, 0.2380, 0.1297

Background



This preview shows how black text looks on a background with the Yxy color 19.8011, 0.2380, 0.1297.



This preview shows how white text looks on a background with the Yxy color 19.8011, 0.2380, 0.1297.

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

19.8011, 0.2380, 0.1297

Protanopia

20.1587, 0.1739, 0.1460

Deuteranopia

19.9837, 0.1842, 0.1830



Tritanopia

19.5563, 0.3382, 0.3135

Trichromacy



Original Color

19.8011, 0.2380, 0.1297



Protanomaly

17.3277, 0.1780, 0.1277



Deuteranomaly

16.8648, 0.1845, 0.1454



Tritanomaly

18.3893, 0.2933, 0.2178

Monochromacy



Original Color

19.8011, 0.2380, 0.1297



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

17.4903, 0.2788, 0.2204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8011, 0.2380, 0.1297 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(168, 69, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 69, 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(168, 69, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 69, 255) }
```

Border

The CSS property to change the border of an element to Yxy 19.8011, 0.2380, 0.1297 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(168, 69, 255) }
```

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

```
.border{ border-color:rgb(168, 69, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 69, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 69, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 69, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 69,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8011, 0.2380, 0.1297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 69, 255) }
```

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

```
.background{ background-color: rgb(168, 69,  
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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