

Converting Colors

$Y_{xy}(19.3544, 0.2271, 0.1291)$

Have a look what the booklet for
Yxy(19.3544, 0.2271, 0.1291)
contains.

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Color

Yxy(19.2589, 0.2268, 0.1286)

Conversions

Conversions Part 1

Format	Color
Hex	9A4CFF
RGB	154, 76, 255
RGB Percent	60%, 30%, 100%
CMY	0.3959, 0.7020, 0.0000
CMYK	0.40, 0.70, 0.00, 0.00
HSL	266°, 100%, 65%
HSV	266°, 70%, 100%
XYZ	33.9652, 19.2589, 96.5341
YIQ	119.7280, -10.9710, 72.2050

Conversions

Conversions Part 2

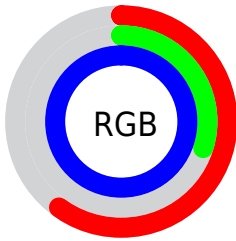
Format	Color
RYB	154, 76, 255
Decimal	10112255
CIELab	50.99, 66.07, -76.64
CIElCh	51, 101.185, 310.766
Yxy	19.2589, 0.2268, 0.1286
Android (android.graphics.Color)	4288302335 (0xFF9A4CFF)
YUV	119.7280, 66.6891, 30.0565
Hunter-Lab	43.8850, 61.3530, -99.7012

Details

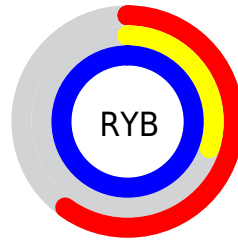
The Yxy color **19.2589, 0.2268, 0.1286** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **81.3817, 0.3533, 0.5210**, and the grayscale version is **18.4769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4814, 0.2826, 0.1970**, and **6.6462, 0.1972, 0.0890** is the 20% darker color. If you saturate the color by 10%, you get **15.0878, 0.2125, 0.1070**, and if you desaturate by 10%, it is **24.9913, 0.2416, 0.1549**.

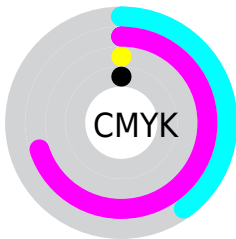
Distribution



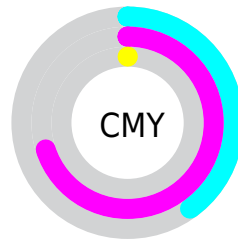
- Red (60%)
- Green (30%)
- Blue (100%)



- Red (60%)
- Yellow (30%)
- Blue (100%)



- Cyan (40%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (70%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.2589, 0.2268, 0.1286 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 19.2589, 0.2268, 0.1286 by changing the saturation by 10% instead.


 19.2589, 0.2268,
0.1286


 19.2589, 0.2268,
0.1286


247.8743, 0.2758,
0.2194


 11.8575, 0.2138,
0.1101


 42.1711, 0.2454,
0.1587


 6.6467, 0.1972,
0.0890


 58.4507, 0.2522,
0.1709


 3.2422, 0.1757,
0.0653


 78.4585, 0.2579,
0.1816

 1.2594, 0.1474,
0.0402

 102.5789, 0.2626,
0.1910

 0.1095, 0.1121,
0.0060

 131.1963, 0.2667,
0.1993

 0.0000, 0.0654,
0.0000

164.6951, 0.2702,

 0.0000, 0.0000,

0.2068

0.0000

203.4596, 0.2732,
0.2134

■ 19.2589, 0.2268,
0.1286

■ 19.2589, 0.2268,
0.1286

■ 15.0878, 0.2125,
0.1070

■ 24.9913, 0.2416,
0.1549

■ 12.2949, 0.1996,
0.0912

■ 32.4359, 0.2563,
0.1842

■ 10.6115, 0.1886,
0.0813

■ 41.7269, 0.2702,
0.2150

■ 52.9844, 0.2829,
0.2458

■ 66.3180, 0.2942,
0.2753

81.8290, 0.3041,
0.3031

99.6122, 0.3126,
0.3285

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.



19.2589, 0.1255, 0.1091



19.2589, 0.2268, 0.1286



19.2589, 0.4022, 0.1795

Triad

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



19.2589, 0.2268, 0.1286



19.2589, 0.5688, 0.4312



19.2589, 0.0898, 0.3352

Complementary

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



19.2589, 0.2268, 0.1286



81.3817, 0.3533, 0.5210

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.



19.2589, 0.1698, 0.5964



19.2589, 0.2268, 0.1286



19.2589, 0.4369, 0.5631

Square

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



19.2589, 0.2268, 0.1286



19.2589, 0.6396, 0.3321



19.2589, 0.2952, 0.6771



19.2589, 0.0672, 0.1784

Rectangle

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



19.2589, 0.2268, 0.1286



19.2589, 0.5330, 0.2277



19.2589, 0.2952, 0.6771



19.2589, 0.1091, 0.4187

Sweetspot

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



19.2595, 0.2268, 0.1286



65.1787, 0.2934, 0.2730



40.3677, 0.2073, 0.2272



13.1273, 0.2904, 0.2650



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.



19.2595, 0.2268, 0.1286



13.8765, 0.2074, 0.1003



31.4522, 0.3086, 0.1685



17.7651, 0.3047, 0.3049



5.6293, 0.1903, 0.0822



0.6113, 0.2028, 0.0891

Inverse Universe

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



29.5980, 0.4111, 0.2351



25.4267, 0.4399, 0.2305



74.1117, 0.3062, 0.5524



18.1587, 0.3205, 0.3157



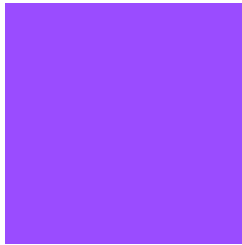
12.1886, 0.4694, 0.2359



1.2087, 0.4477, 0.2240

Previews

White Background



This preview shows how the Yxy color 19.2589, 0.2268, 0.1286 looks on a white background.

Color Contrast Check

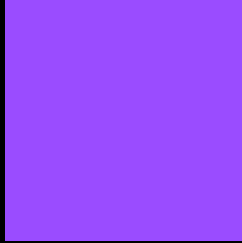
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2589, 0.2268, 0.1286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

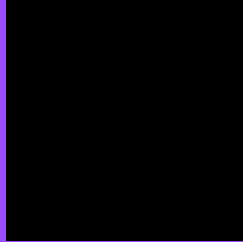
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.2589, 0.2268, 0.1286

Background



This preview shows how black text looks on a background with the Yxy color 19.2589, 0.2268, 0.1286.



This preview shows how white text looks on a background with the Yxy color 19.2589, 0.2268, 0.1286.

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

19.2589, 0.2268, 0.1286

Protanopia

19.4380, 0.1739, 0.1460

Deuteranopia

19.3216, 0.1841, 0.1826



Tritanopia

18.9510, 0.3111, 0.3106

Trichromacy



Original Color

19.2589, 0.2268, 0.1286



Protanomaly

17.2456, 0.1772, 0.1293



Deuteranomaly

17.0693, 0.1836, 0.1481



Tritanomaly

17.9907, 0.2730, 0.2169

Monochromacy



Original Color

19.2589, 0.2268, 0.1286



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

17.6707, 0.2734, 0.2234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2589, 0.2268, 0.1286 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(154, 76, 255)` looks like.

```
.text, #text, p{  
  color:rgb(154, 76, 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(154, 76, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 76, 255) }
```

Border

The CSS property to change the border of an element to Yxy 19.2589, 0.2268, 0.1286 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(154, 76, 255) }
```

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

```
.border{ border-color:rgb(154, 76, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 76, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 76, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 76, 255);  
box-shadow:4px 4px 4px 4px rgb(154, 76,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2589, 0.2268, 0.1286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 76, 255) }
```

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

```
.background{ background-color: rgb(154, 76,  
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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