

Converting Colors

$Y_{xy}(19.8385, 0.2234, 0.1277)$

Have a look what the booklet for
Yxy(19.8385, 0.2234, 0.1277)
contains.

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Color

Yxy(19.5843, 0.2263, 0.1304)

Conversions

Conversions Part 1

Format	Color
Hex	994FFF
RGB	153, 79, 255
RGB Percent	60%, 31%, 100%
CMY	0.3999, 0.6903, 0.0000
CMYK	0.40, 0.69, 0.00, 0.00
HSL	265°, 100%, 65%
HSV	265°, 69%, 100%
XYZ	33.9872, 19.5843, 96.6149
YIQ	121.1900, -12.3920, 70.4240

Conversions

Conversions Part 2

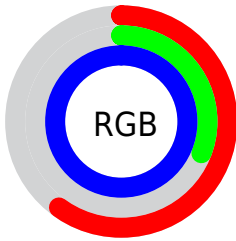
Format	Color
R _Y B	153, 79, 255
Decimal	10047487
CIE Lab	51.36, 64.53, -76.04
CIE LCh	51, 99.732, 310.318
Yxy	19.5843, 0.2263, 0.1304
Android (android.graphics.Color)	4288237567 (0xFF994FFF)
YUV	121.1900, 65.9683, 27.8974
Hunter-Lab	44.2542, 59.6432, -98.4630

Details

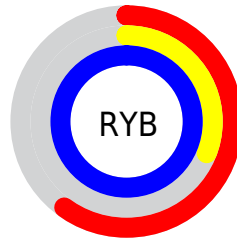
The Yxy color **19.5843, 0.2263, 0.1304** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **81.9043, 0.3550, 0.5172**, and the grayscale version is **18.9694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1412, 0.2819, 0.1995**, and **6.8068, 0.1968, 0.0909** is the 20% darker color. If you saturate the color by 10%, you get **15.2344, 0.2117, 0.1080**, and if you desaturate by 10%, it is **25.5202, 0.2415, 0.1574**.

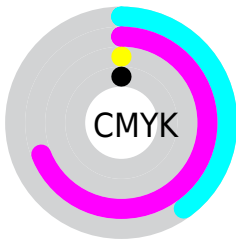
Distribution



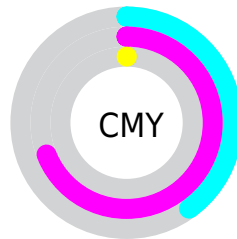
- Red (60%)
- Green (31%)
- Blue (100%)



- Red (60%)
- Yellow (31%)
- Blue (100%)



- Cyan (40%)
- Magenta (69%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (69%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5843, 0.2263, 0.1304 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 19.5843, 0.2263, 0.1304 by changing the saturation by 10% instead.


 19.5843, 0.2263,
0.1304


 19.5843, 0.2263,
0.1304


249.6557, 0.2754,
0.2206


 12.0932, 0.2134,
0.1120


 42.7191, 0.2449,
0.1603

 6.8072, 0.1968,
0.0908


 59.1317, 0.2517,
0.1724

 3.3418, 0.1753,
0.0671


 79.2868, 0.2574,
0.1830

 1.3127, 0.1472,
0.0418

 103.5690, 0.2621,
0.1924

 0.1510, 0.1118,
0.0082

 132.3626, 0.2662,
0.2007

 0.0000, 0.0655,
0.0000

166.0520, 0.2697,

 0.0000, 0.0000,

0.2080

0.0000

205.0216, 0.2727,
0.2146

■ 19.5843, 0.2263,
0.1304

■ 19.5843, 0.2263,
0.1304

■ 15.2344, 0.2117,
0.1080

■ 25.5202, 0.2415,
0.1574

■ 12.2951, 0.1984,
0.0914

■ 33.1951, 0.2564,
0.1873

■ 10.5056, 0.1870,
0.0807

■ 42.7405, 0.2706,
0.2183

■ 10.3614, 0.1859,
0.0798

■ 54.2755, 0.2835,
0.2491

■ 67.9091, 0.2949,
0.2786

 83.7423, 0.3049,
0.3062

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.



19.5843, 0.1267, 0.1114



19.5843, 0.2263, 0.1304



19.5843, 0.3979, 0.1806

Triad

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



19.5843, 0.2263, 0.1304



19.5843, 0.5690, 0.4310



19.5843, 0.0936, 0.3392

Complementary

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



19.5843, 0.2263, 0.1304



81.9043, 0.3550, 0.5172

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.



19.5843, 0.1747, 0.5933



19.5843, 0.2263, 0.1304



19.5843, 0.4400, 0.5600

Square

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



19.5843, 0.2263, 0.1304



19.5843, 0.6355, 0.3327



19.5843, 0.2997, 0.6703



19.5843, 0.0697, 0.1824

Rectangle

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



19.5843, 0.2263, 0.1304



19.5843, 0.5264, 0.2284



19.5843, 0.2997, 0.6703



19.5843, 0.1133, 0.4213

Sweetspot

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



19.5835, 0.2263, 0.1304



65.0463, 0.2928, 0.2730



42.1984, 0.2097, 0.2333



13.0961, 0.2897, 0.2649



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.



19.5835, 0.2263, 0.1304



13.9086, 0.2062, 0.1006



31.3931, 0.3060, 0.1688



17.7510, 0.3045, 0.3049



5.4972, 0.1876, 0.0807



0.5978, 0.2002, 0.0877

Inverse Universe

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



30.1846, 0.4050, 0.2334



25.7658, 0.4328, 0.2276



74.4456, 0.3075, 0.5484



18.1636, 0.3203, 0.3153



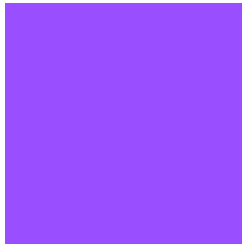
12.2524, 0.4629, 0.2324



1.2148, 0.4422, 0.2210

Previews

White Background



This preview shows how the Yxy color 19.5843, 0.2263, 0.1304 looks on a white background.

Color Contrast Check

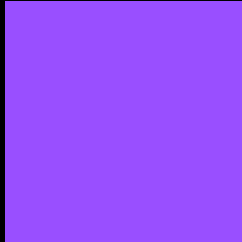
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5843, 0.2263, 0.1304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

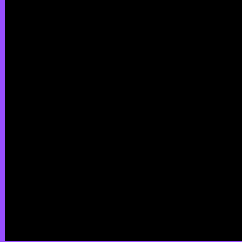
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.5843, 0.2263, 0.1304

Background



This preview shows how black text looks on a background with the Yxy color 19.5843, 0.2263, 0.1304.



This preview shows how white text looks on a background with the Yxy color 19.5843, 0.2263, 0.1304.

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

19.5843, 0.2263, 0.1304

Protanopia

19.7964, 0.1739, 0.1460

Deuteranopia

19.6251, 0.1843, 0.1833



Tritanopia

19.3779, 0.3086, 0.3125

Trichromacy



Original Color

19.5843, 0.2263, 0.1304



Protanomaly

17.7064, 0.1776, 0.1310



Deuteranomaly

17.2790, 0.1840, 0.1494



Tritanomaly

18.3492, 0.2711, 0.2184

Monochromacy



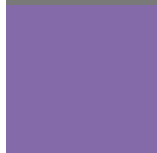
Original Color

19.5843, 0.2263, 0.1304



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

18.1969, 0.2738, 0.2256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5843, 0.2263, 0.1304 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(153, 79, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 79, 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(153, 79, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 79, 255) }
```

Border

The CSS property to change the border of an element to Yxy 19.5843, 0.2263, 0.1304 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(153, 79, 255) }
```

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

```
.border{ border-color:rgb(153, 79, 255) }
```

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

Here you see how a box with a 4 pixel rgb(153, 79, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 79, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 79, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 79,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5843, 0.2263, 0.1304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 79, 255) }
```

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

```
.background{ background-color: rgb(153, 79,  
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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