

Converting Colors

$Y_{xy}(19.7796, 0.2356, 0.1300)$

Have a look what the booklet for
Yxy(19.7796, 0.2356, 0.1300)
contains.

Yxy(19.7258, 0.2355, 0.1297)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.7258, 0.2355, 0.1297)

Conversions

Conversions Part 1

Format	Color
Hex	A547FF
RGB	165, 71, 255
RGB Percent	65%, 28%, 100%
CMY	0.3531, 0.7215, 0.0000
CMYK	0.35, 0.72, 0.00, 0.00
HSL	271°, 100%, 64%
HSV	271°, 72%, 100%
XYZ	35.8167, 19.7258, 96.5454
YIQ	120.0820, -3.0400, 77.1520

Conversions

Conversions Part 2

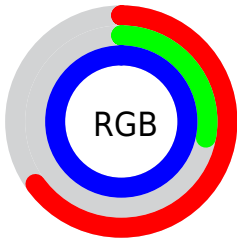
Format	Color
RYB	165, 71, 255
Decimal	10831871
CIELab	51.53, 70.09, -75.72
CIELCh	52, 103.178, 312.789
Yxy	19.7258, 0.2355, 0.1297
Android (android.graphics.Color)	4289021951 (0xFFA547FF)
YUV	120.0820, 66.5146, 39.3931
Hunter-Lab	44.4137, 66.2242, -97.7934

Details

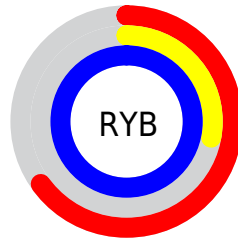
The Yxy color **19.7258, 0.2355, 0.1297** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **79.5588, 0.3446, 0.5312**, and the grayscale version is **18.5955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4063, 0.2920, 0.1978**, and **7.0345, 0.2085, 0.0922** is the 20% darker color. If you saturate the color by 10%, you get **15.8592, 0.2227, 0.1102**, and if you desaturate by 10%, it is **25.0811, 0.2487, 0.1540**.

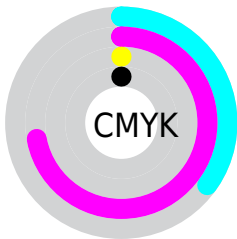
Distribution



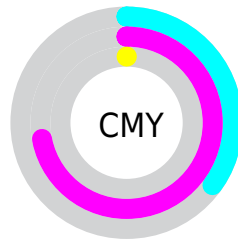
- Red (65%)
- Green (28%)
- Blue (100%)



- Red (65%)
- Yellow (28%)
- Blue (100%)



- Cyan (35%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)




- Cyan (35%)
- Magenta (72%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7258, 0.2355, 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 19.7258, 0.2355, 0.1297 by changing the saturation by 10% instead.


 19.7258, 0.2355,
0.1297


 19.7258, 0.2355,
0.1297


250.4268, 0.2803,
0.2196


 12.1959, 0.2234,
0.1114


 42.9570, 0.2526,
0.1594


 6.8772, 0.2079,
0.0905


 59.4270, 0.2589,
0.1715


 3.3854, 0.1875,
0.0670


 79.6459, 0.2640,
0.1821

 1.3361, 0.1603,
0.0419

 103.9981, 0.2684,
0.1914

 0.1689, 0.1256,
0.0090

 132.8678, 0.2720,
0.1997

 0.0000, 0.0794,
0.0000

166.6396, 0.2752,

 0.0000, 0.0000,

0.2071

0.0000

205.6978, 0.2779,
0.2137

■ 19.7258, 0.2355,
0.1297

■ 19.7258, 0.2355,
0.1297

■ 15.8592, 0.2227,
0.1102

■ 25.0811, 0.2487,
0.1540

■ 13.2970, 0.2109,
0.0963


■ 32.0824, 0.2617,
0.1816


■ 11.9819, 0.2025,
0.0889

■ 40.8639, 0.2739,
0.2111

■ 51.5460, 0.2852,
0.2410

■ 64.2384, 0.2951,
0.2702

 79.0423, 0.3038,
0.2980

 96.0519, 0.3113,
0.3238

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.



19.7258, 0.1289, 0.1081



19.7258, 0.2355, 0.1297



19.7258, 0.4168, 0.1828

Triad

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



19.7258, 0.2355, 0.1297



19.7258, 0.5618, 0.4382



19.7258, 0.0851, 0.3195

Complementary

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



19.7258, 0.2355, 0.1297



79.5588, 0.3446, 0.5312

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.



19.7258, 0.1606, 0.5840



19.7258, 0.2355, 0.1297



19.7258, 0.4265, 0.5735

Square

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



19.7258, 0.2355, 0.1297



19.7258, 0.6403, 0.3366



19.7258, 0.2844, 0.6838



19.7258, 0.0657, 0.1706

Rectangle

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



19.7258, 0.2355, 0.1297



19.7258, 0.5470, 0.2318



19.7258, 0.2844, 0.6838



19.7258, 0.1028, 0.4013

Sweetspot

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



19.7251, 0.2355, 0.1297



64.4405, 0.2953, 0.2707



34.7594, 0.2008, 0.2068



13.0106, 0.2927, 0.2629



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.



19.7251, 0.2355, 0.1297



14.4663, 0.2168, 0.1028



32.9897, 0.3201, 0.1716



17.8337, 0.3059, 0.3050



6.3500, 0.2042, 0.0898



0.6833, 0.2163, 0.0965

Inverse Universe

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



28.3451, 0.4347, 0.2468



24.3007, 0.4728, 0.2463



73.3158, 0.3019, 0.5603



18.1353, 0.3217, 0.3174



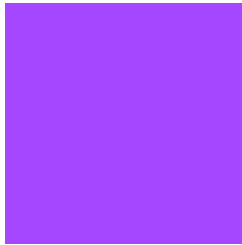
11.9098, 0.5009, 0.2533



1.1816, 0.4749, 0.2390

Previews

White Background



This preview shows how the Yxy color 19.7258, 0.2355, 0.1297 looks on a white background.

Color Contrast Check

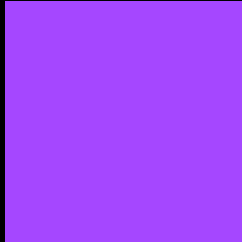
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7258, 0.2355, 0.1297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

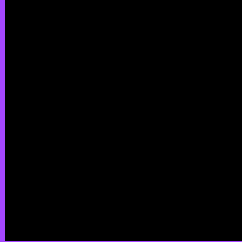
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7258, 0.2355, 0.1297

Background



This preview shows how black text looks on a background with the Yxy color 19.7258, 0.2355, 0.1297.



This preview shows how white text looks on a background with the Yxy color 19.7258, 0.2355, 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

19.7258, 0.2355, 0.1297

Protanopia

19.8590, 0.1737, 0.1454

Deuteranopia

19.9837, 0.1842, 0.1830



Tritanopia

19.4604, 0.3315, 0.3132

Trichromacy



Original Color

19.7258, 0.2355, 0.1297



Protanomaly

17.2963, 0.1777, 0.1276



Deuteranomaly

17.0382, 0.1845, 0.1466



Tritanomaly

18.3888, 0.2886, 0.2192

Monochromacy



Original Color

19.7258, 0.2355, 0.1297



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

17.6016, 0.2778, 0.2216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7258, 0.2355, 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(165, 71, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 71, 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(165, 71, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 71, 255) }
```

Border

The CSS property to change the border of an element to Yxy 19.7258, 0.2355, 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(165, 71, 255) }
```

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

```
.border{ border-color:rgb(165, 71, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 71, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 71, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 71, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 71,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7258, 0.2355, 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(165, 71, 255) }
```

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

```
.background{ background-color: rgb(165, 71,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor