

Converting Colors

$Yxy(15.4966, 0.2345, 0.1167)$

Have a look what the booklet for
Yxy(15.4966, 0.2345, 0.1167)
contains.

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Color

Yxy(15.5415, 0.2347, 0.1170)

Conversions

Conversions Part 1

Format	Color
Hex	9E2CF3
RGB	158, 44, 243
RGB Percent	62%, 17%, 95%
CMY	0.3803, 0.8274, 0.0472
CMYK	0.35, 0.82, 0.00, 0.05
HSL	274°, 89%, 56%
HSV	274°, 82%, 95%
XYZ	31.1760, 15.5415, 86.1158
YIQ	100.7720, 4.0650, 86.0570

Conversions

Conversions Part 2

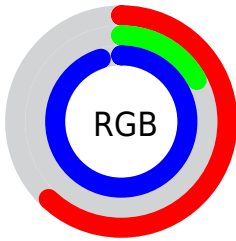
Format	Color
R _Y B	158, 44, 243
Decimal	10366195
CIE Lab	46.37, 76.00, -77.43
CIE LCh	46, 108.494, 314.467
Yxy	15.5415, 0.2347, 0.1170
Android (android.graphics.Color)	4288556275 (0xFF9E2CF3)
YUV	100.7720, 70.1184, 50.1890
Hunter-Lab	39.4227, 72.1703, -101.9185

Details

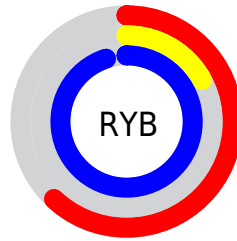
The Yxy color **15.5415, 0.2347, 0.1170** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **68.9203, 0.3351, 0.5560**, and the grayscale version is **12.7705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3832, 0.2862, 0.1772**, and **6.0442, 0.2071, 0.0915** is the 20% darker color. If you saturate the color by 10%, you get **13.2219, 0.2239, 0.1036**, and if you desaturate by 10%, it is **19.0083, 0.2462, 0.1357**.

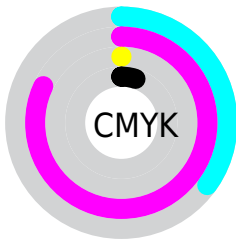
Distribution



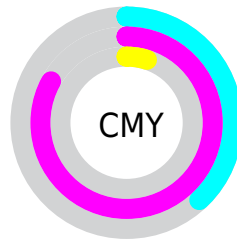
- Red (62%)
- Green (17%)
- Blue (95%)



- Red (62%)
- Yellow (17%)
- Blue (95%)



- Cyan (35%)
- Magenta (82%)
- Yellow (0%)
- Black (5%)





- Cyan (38%)
- Magenta (83%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5415, 0.2347, 0.1170 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 15.5415, 0.2347, 0.1170 by changing the saturation by 10% instead.


 15.5415, 0.2347,
0.1170


 15.5415, 0.2347,
0.1170


 226.6208, 0.2819,
0.2135

 9.2003, 0.2215,
0.0976


 35.8004, 0.2532,
0.1489


 4.8721, 0.2042,
0.0757


 50.4868, 0.2598,
0.1618

 2.1724, 0.1813,
0.0518


 68.7238, 0.2652,
0.1732

 0.7049, 0.1508,
0.0273

 90.8958, 0.2697,
0.1832

 0.0000, 0.1115,
0.0000

 117.3870, 0.2735,
0.1921

 0.0000, 0.0540,
0.0000

 148.5820, 0.2767,

 0.0000, 0.0000,

0.2001

0.0000

184.8652, 0.2795,
0.2071

■ 15.5415, 0.2347,
0.1170

■ 15.5415, 0.2347,
0.1170

■ 13.2219, 0.2239,
0.1036

■ 19.0083, 0.2462,
0.1357

■ 11.9771, 0.2157,
0.0962

■ 23.7838, 0.2578,
0.1589

■ 30.0045, 0.2691,
0.1854

■ 37.7884, 0.2797,
0.2139

■ 47.2412, 0.2894,
0.2430

■ 58.4592, 0.2979,
0.2716

■ 71.5312, 0.3053,
0.2989

■ 86.5397, 0.3116,
0.3244

■ 98.5674, 0.3174,
0.3406

Harmonies

Analogous

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



15.5415, 0.1187, 0.0936



15.5415, 0.2347, 0.1170



15.5415, 0.4407, 0.1731

Triad

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



15.5415, 0.2347, 0.1170



15.5415, 0.5639, 0.4361



15.5415, 0.0641, 0.2983

Complementary

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



15.5415, 0.2347, 0.1170



68.9203, 0.3351, 0.5560

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.



15.5415, 0.1323, 0.6097



15.5415, 0.2347, 0.1170



15.5415, 0.4086, 0.5914

Square

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



15.5415, 0.2347, 0.1170



15.5415, 0.6662, 0.3280



15.5415, 0.2575, 0.7342



15.5415, 0.0508, 0.1480

Rectangle

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



15.5415, 0.2347, 0.1170



15.5415, 0.5860, 0.2236



15.5415, 0.2575, 0.7342



15.5415, 0.0790, 0.3892

Sweetspot

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



15.5420, 0.2347, 0.1170



61.0492, 0.2953, 0.2626



23.0287, 0.1853, 0.1692



12.1223, 0.2923, 0.2525



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.



15.5420, 0.2347, 0.1170



13.6554, 0.2175, 0.0978



26.5453, 0.3347, 0.1705



16.3955, 0.3069, 0.3052



6.6573, 0.2173, 0.0970



0.6456, 0.2297, 0.1039

Inverse Universe

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



22.4330, 0.4799, 0.2575



22.5359, 0.5261, 0.2682



64.9091, 0.2983, 0.5725



16.6000, 0.3226, 0.3189



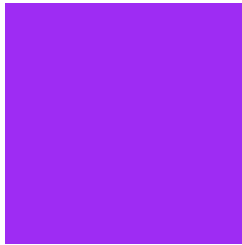
11.0294, 0.5268, 0.2676



0.9895, 0.4949, 0.2500

Previews

White Background



This preview shows how the Yxy color 15.5415, 0.2347, 0.1170 looks on a white background.

Color Contrast Check

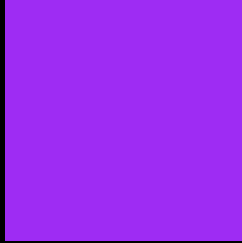
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 15.5415, 0.2347, 0.1170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

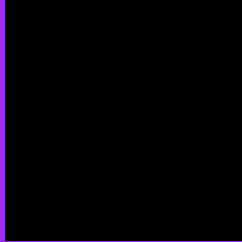
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.5415, 0.2347, 0.1170

Background



This preview shows how black text looks on a background with the Yxy color 15.5415, 0.2347, 0.1170.



This preview shows how white text looks on a background with the Yxy color 15.5415, 0.2347, 0.1170.

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

15.5415, 0.2347, 0.1170

Protanopia

15.6899, 0.1741, 0.1468

Deuteranopia

15.7053, 0.1849, 0.1857



Tritanopia

15.3170, 0.3471, 0.3140

Trichromacy



Original Color

15.5415, 0.2347, 0.1170



Protanomaly

12.8259, 0.1760, 0.1176



Deuteranomaly

12.6028, 0.1825, 0.1348



Tritanomaly

13.8687, 0.2951, 0.2044

Monochromacy



Original Color

15.5415, 0.2347, 0.1170



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

12.1748, 0.2754, 0.2015

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5415, 0.2347, 0.1170 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(158, 44, 243)` looks like.

```
.text, #text, p{  
    color:rgb(158, 44, 243)  
}
```

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(158, 44, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 44, 243) }
```

Border

The CSS property to change the border of an element to Yxy 15.5415, 0.2347, 0.1170 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(158, 44, 243) }
```

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

```
.border{ border-color:rgb(158, 44, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 44, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 44, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 44, 243);  
box-shadow:4px 4px 4px 4px rgb(158, 44,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5415, 0.2347, 0.1170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 44, 243) }
```

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

```
.background{ background-color: rgb(158, 44,  
243) }
```

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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