

Converting Colors

$Y_{xy}(16.7156, 0.2266, 0.1146)$

Have a look what the booklet for
Yxy(16.7156, 0.2266, 0.1146)
contains.

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Color

Yxy(16.7558, 0.2270, 0.1148)

Conversions

Conversions Part 1

Format	Color
Hex	9D33FF
RGB	157, 51, 255
RGB Percent	62%, 20%, 100%
CMY	0.3844, 0.7998, 0.0001
CMYK	0.38, 0.80, 0.00, 0.00
HSL	271°, 100%, 60%
HSV	271°, 80%, 100%
XYZ	33.1321, 16.7558, 96.0685
YIQ	105.9500, -2.3080, 85.9160

Conversions

Conversions Part 2

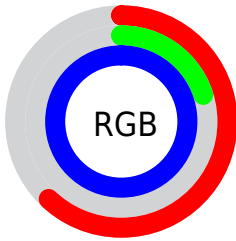
Format	Color
R _Y B	157, 51, 255
Decimal	10302463
CIE _{Lab}	47.95, 76.24, -81.56
CIE _{LCh}	48, 111.648, 313.068
Y _{xy}	16.7558, 0.2270, 0.1148
Android (android.graphics.Color)	4288492543 (0xFF9D33FF)
YUV	105.9500, 73.4817, 44.7709
Hunter-Lab	40.9338, 72.8448, -110.4953

Details

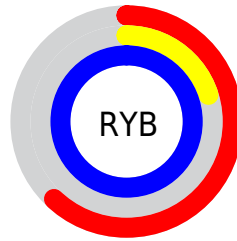
The Yxy color **16.7558, 0.2270, 0.1148** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **78.1308, 0.3420, 0.5482**, and the grayscale version is **14.2000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2773, 0.2854, 0.1808**, and **6.4641, 0.1985, 0.0867** is the 20% darker color. If you saturate the color by 10%, you get **13.9328, 0.2151, 0.0998**, and if you desaturate by 10%, it is **20.9230, 0.2397, 0.1353**.

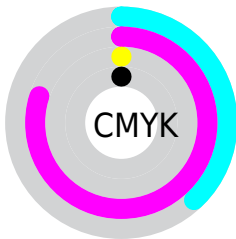
Distribution



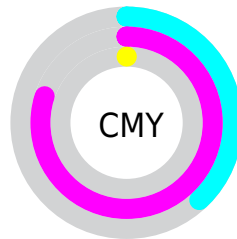
- Red (62%)
- Green (20%)
- Blue (100%)



- Red (62%)
- Yellow (20%)
- Blue (100%)



- Cyan (38%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7558, 0.2270, 0.1148 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 16.7558, 0.2270, 0.1148 by changing the saturation by 10% instead.


 16.7558, 0.2270,
0.1148


 16.7558, 0.2270,
0.1148

233.7612, 0.2773,
0.2105


 10.0605, 0.2135,
0.0959


 37.9054, 0.2463,
0.1460


 5.4391, 0.1961,
0.0748


 53.1286, 0.2533,
0.1588

 2.5071, 0.1735,
0.0519


 71.9632, 0.2591,
0.1701

 0.8802, 0.1441,
0.0288

 94.7936, 0.2640,
0.1801

 0.0000, 0.1074,
0.0000

 122.0042, 0.2681,
0.1890

 0.0000, 0.0594,
0.0000

153.9794, 0.2716,

 0.0000, 0.0000,

0.1970

0.0000

191.1036, 0.2747,
0.2041

■ 16.7558, 0.2270,
0.1148

■ 16.7558, 0.2270,
0.1148

■ 13.9328, 0.2151,
0.0998

■ 20.9230, 0.2397,
0.1353

■ 12.1640, 0.2043,
0.0899

■ 26.6109, 0.2527,
0.1602

■ 12.1611, 0.2043,
0.0899

■ 33.9697, 0.2653,
0.1882

■ 43.1306, 0.2772,
0.2178

■ 54.2113, 0.2879,
0.2476

67.3192, 0.2975,
0.2765

82.5536, 0.3057,
0.3038

99.9964, 0.3127,
0.3290

99.9980, 0.3127,
0.3290

Harmonies

Analogous

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



16.7558, 0.1148, 0.0929



16.7558, 0.2270, 0.1148



16.7558, 0.4301, 0.1694

Triad

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



16.7558, 0.2270, 0.1148



16.7558, 0.5705, 0.4295



16.7558, 0.0653, 0.3094

Complementary

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



16.7558, 0.2270, 0.1148



78.1308, 0.3420, 0.5482

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.



16.7558, 0.1365, 0.6250



16.7558, 0.2270, 0.1148



16.7558, 0.4161, 0.5839

Square

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



16.7558, 0.2270, 0.1148



16.7558, 0.6683, 0.3231



16.7558, 0.2637, 0.7329



16.7558, 0.0503, 0.1515

Rectangle

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



16.7558, 0.2270, 0.1148



16.7558, 0.5781, 0.2196



16.7558, 0.2637, 0.7329



16.7558, 0.0811, 0.4038

Sweetspot

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



16.7563, 0.2270, 0.1148



61.8180, 0.2938, 0.2650



29.6102, 0.1908, 0.1867



12.2446, 0.2904, 0.2547



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.



16.7563, 0.2270, 0.1148



12.7921, 0.2085, 0.0934



30.6264, 0.3238, 0.1655



17.8419, 0.3061, 0.3050



6.4456, 0.2060, 0.0908



0.6926, 0.2180, 0.0975

Inverse Universe

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



25.7960, 0.4576, 0.2468



23.0351, 0.4988, 0.2540



72.4752, 0.3004, 0.5761



18.1325, 0.3218, 0.3176



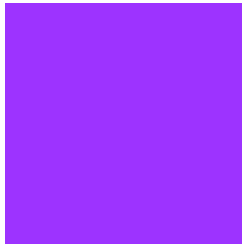
11.8796, 0.5047, 0.2554



1.1786, 0.4782, 0.2408

Previews

White Background



This preview shows how the Yxy color 16.7558, 0.2270, 0.1148 looks on a white background.

Color Contrast Check

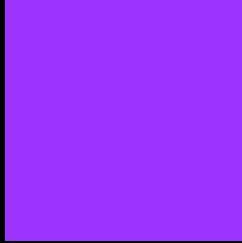
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7558, 0.2270, 0.1148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

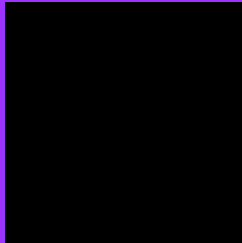
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7558, 0.2270, 0.1148

Background



This preview shows how black text looks on a background with the Yxy color 16.7558, 0.2270, 0.1148.



This preview shows how white text looks on a background with the Yxy color 16.7558, 0.2270, 0.1148.

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

16.7558, 0.2270, 0.1148

Protanopia

16.9214, 0.1743, 0.1475

Deuteranopia

16.8927, 0.1851, 0.1863



Tritanopia

16.5753, 0.3299, 0.3139

Trichromacy



Original Color

16.7558, 0.2270, 0.1148



Protanomaly

14.3059, 0.1758, 0.1198



Deuteranomaly

13.8659, 0.1819, 0.1362



Tritanomaly

15.0954, 0.2823, 0.2026

Monochromacy



Original Color

16.7558, 0.2270, 0.1148



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

13.5536, 0.2722, 0.2035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7558, 0.2270, 0.1148 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(157, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 51, 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(157, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 16.7558, 0.2270, 0.1148 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(157, 51, 255) }
```

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

```
.border{ border-color:rgb(157, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 51,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7558, 0.2270, 0.1148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 51, 255) }
```

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

```
.background{ background-color: rgb(157, 51,  
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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