

Converting Colors

$Y_{xy}(16.9334, 0.2163, 0.1173)$

Have a look what the booklet for
Yxy(16.9334, 0.2163, 0.1173)
contains.

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Color

Yxy(16.8672, 0.2160, 0.1169)

Conversions

Conversions Part 1

Format	Color
Hex	8E42FF
RGB	142, 66, 255
RGB Percent	56%, 26%, 100%
CMY	0.4429, 0.7414, 0.0000
CMYK	0.44, 0.74, 0.00, 0.00
HSL	264°, 100%, 63%
HSV	264°, 74%, 100%
XYZ	31.1661, 16.8672, 96.2541
YIQ	110.2700, -15.3730, 74.8910

Conversions

Conversions Part 2

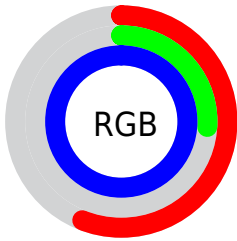
Format	Color
R _Y B	142, 66, 255
Decimal	9323263
CIE _{Lab}	48.09, 68.53, -81.44
CIE _{LCh}	48, 106.438, 310.078
Y _{xy}	16.8672, 0.2160, 0.1169
Android (android.graphics.Color)	4287513343 (0xFF8E42FF)
YUV	110.2700, 71.3519, 27.8272
Hunter-Lab	41.0697, 63.5843, -110.2079

Details

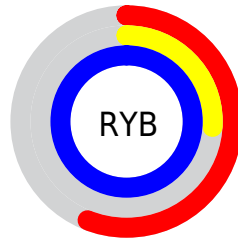
The Yxy color **16.8672, 0.2160, 0.1169** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **81.4808, 0.3574, 0.5266**, and the grayscale version is **15.4632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.5913, 0.2727, 0.1850**, and **5.6509, 0.1834, 0.0784** is the 20% darker color. If you saturate the color by 10%, you get **13.2661, 0.2018, 0.0972**, and if you desaturate by 10%, it is **21.9744, 0.2313, 0.1420**.

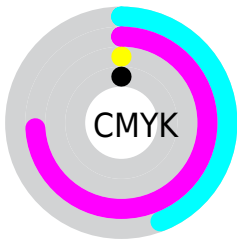
Distribution



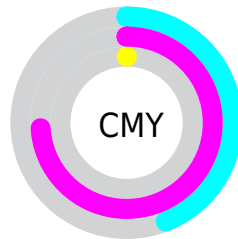
- Red (56%)
- Green (26%)
- Blue (100%)



- Red (56%)
- Yellow (26%)
- Blue (100%)



- Cyan (44%)
- Magenta (74%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (74%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8672, 0.2160, 0.1169 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 16.8672, 0.2160, 0.1169 by changing the saturation by 10% instead.


 16.8672, 0.2160,
0.1169


 16.8672, 0.2160,
0.1169


234.4059, 0.2712,
0.2126


 10.1399, 0.2015,
0.0979


 38.0973, 0.2369,
0.1483


 5.4918, 0.1832,
0.0765


 53.3689, 0.2446,
0.1611

 2.5386, 0.1596,
0.0533


 72.2573, 0.2509,
0.1724

 0.8959, 0.1294,
0.0298

 95.1469, 0.2563,
0.1823

 0.0000, 0.0926,
0.0000

 122.4222, 0.2609,
0.1912

 0.0000, 0.0426,
0.0000

154.4676, 0.2648,

 0.0000, 0.0000,

0.1991

0.0000

191.6673, 0.2683,
0.2062

■ 16.8672, 0.2160,
0.1169

■ 16.8672, 0.2160,
0.1169

■ 13.2661, 0.2018,
0.0972

■ 21.9744, 0.2313,
0.1420

■ 10.9783, 0.1893,
0.0836

■ 28.7577, 0.2468,
0.1709

■ 10.0846, 0.1830,
0.0782

■ 37.3563, 0.2619,
0.2018

■ 47.8962, 0.2758,
0.2332

■ 60.4920, 0.2885,
0.2636

■ 75.2491, 0.2996,
0.2923

■ 92.2653, 0.3092,
0.3188

■ 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.



16.8672, 0.1132, 0.0980



16.8672, 0.2160, 0.1169



16.8672, 0.4035, 0.1680

Triad

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



16.8672, 0.2160, 0.1169



16.8672, 0.5791, 0.4209



16.8672, 0.0767, 0.3373

Complementary

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



16.8672, 0.2160, 0.1169



81.4808, 0.3574, 0.5266

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.



16.8672, 0.1564, 0.6342



16.8672, 0.2160, 0.1169



16.8672, 0.4353, 0.5647

Square

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



16.8672, 0.2160, 0.1169



16.8672, 0.6607, 0.3202



16.8672, 0.2866, 0.7091



16.8672, 0.0559, 0.1677

Rectangle

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



16.8672, 0.2160, 0.1169



16.8672, 0.5479, 0.2169



16.8672, 0.2866, 0.7091



16.8672, 0.0954, 0.4322

Sweetspot

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



16.8651, 0.2160, 0.1169



63.4699, 0.2910, 0.2699



40.7661, 0.2052, 0.2293



12.7824, 0.2878, 0.2619



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.



16.8651, 0.2160, 0.1169



12.0056, 0.1955, 0.0898



28.9576, 0.3019, 0.1601



17.7347, 0.3042, 0.3049



5.3508, 0.1847, 0.0791



0.5826, 0.1972, 0.0860

Inverse Universe

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



28.3981, 0.4103, 0.2271



24.7594, 0.4383, 0.2246



73.8364, 0.3076, 0.5612



18.1693, 0.3200, 0.3149



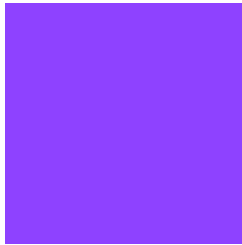
12.3292, 0.4555, 0.2283



1.2221, 0.4359, 0.2175

Previews

White Background



This preview shows how the Yxy color 16.8672, 0.2160, 0.1169 looks on a white background.

Color Contrast Check

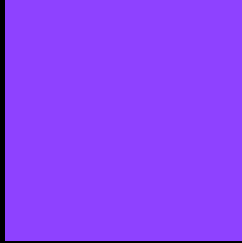
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8672, 0.2160, 0.1169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

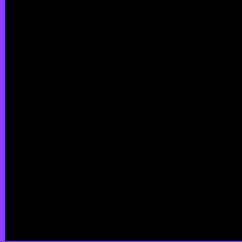
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.8672, 0.2160, 0.1169

Background



This preview shows how black text looks on a background with the Yxy color 16.8672, 0.2160, 0.1169.



This preview shows how white text looks on a background with the Yxy color 16.8672, 0.2160, 0.1169.

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

16.8672, 0.2160, 0.1169

Protanopia

16.9781, 0.1741, 0.1468

Deuteranopia

16.8927, 0.1851, 0.1863



Tritanopia

16.7797, 0.2971, 0.3111

Trichromacy



Original Color

16.8672, 0.2160, 0.1169



Protanomaly

15.0267, 0.1756, 0.1248



Deuteranomaly

14.6327, 0.1818, 0.1422



Tritanomaly

15.6272, 0.2593, 0.2062

Monochromacy



Original Color

16.8672, 0.2160, 0.1169



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

14.7873, 0.2665, 0.2114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8672, 0.2160, 0.1169 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(142, 66, 255)` looks like.

```
.text, #text, p{  
    color:rgb(142, 66, 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(142, 66, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 66, 255) }
```

Border

The CSS property to change the border of an element to Yxy 16.8672, 0.2160, 0.1169 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(142, 66, 255) }
```

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

```
.border{ border-color:rgb(142, 66, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 66, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 66, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 66, 255);  
box-shadow:4px 4px 4px 4px rgb(142, 66,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8672, 0.2160, 0.1169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 66, 255) }
```

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

```
.background{ background-color: rgb(142, 66,  
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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