

Converting Colors

$Y_{xy}(15.1421, 0.2376, 0.1082)$

Have a look what the booklet for
Yxy(15.1421, 0.2376, 0.1082)
contains.

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Color

Yxy(15.1176, 0.2372, 0.1080)

Conversions

Conversions Part 1

Format	Color
Hex	A700FA
RGB	167, 0, 250
RGB Percent	65%, 0%, 98%
CMY	0.3450, 1.0000, 0.0194
CMYK	0.33, 1.00, 0.00, 0.02
HSL	280°, 100%, 49%
HSV	280°, 100%, 98%
XYZ	33.2027, 15.1176, 91.6574
YIQ	78.4330, 19.2820, 113.1540

Conversions

Conversions Part 2

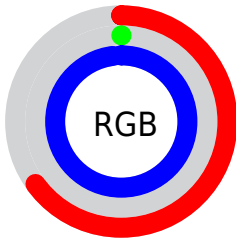
Format	Color
R_{YB}	167, 0, 250
Decimal	10944762
CIE _{Lab}	45.79, 85.78, -82.30
CIE _{LCh}	46, 118.878, 316.187
Yxy	15.1176, 0.2372, 0.1080
Android (android.graphics.Color)	4289134842 (0xFFA700FA)
YUV	78.4330, 84.5825, 77.6733
Hunter-Lab	38.8814, 84.3877, -112.5511

Details

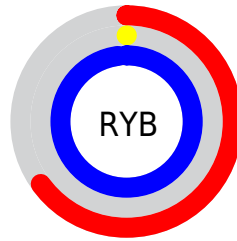
The Yxy color **15.1176, 0.2372, 0.1080** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **70.2473, 0.3159, 0.5874**, and the grayscale version is **7.5422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0228, 0.2952, 0.1698**, and **6.8090, 0.2115, 0.0939** is the 20% darker color. If you saturate the color by 10%, you get **15.1243, 0.2372, 0.1080**, and if you desaturate by 10%, it is **16.7536, 0.2456, 0.1164**.

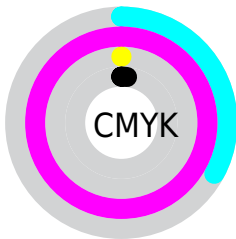
Distribution



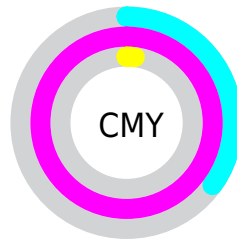
- Red (65%)
- Green (0%)
- Blue (98%)



- Red (65%)
- Yellow (0%)
- Blue (98%)



- Cyan (33%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)





- Cyan (35%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1176, 0.2372, 0.1080 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 15.1176, 0.2372, 0.1080 by changing the saturation by 10% instead.


 15.1176, 0.2372,
0.1080


 15.1176, 0.2372,
0.1080


224.0769, 0.2837,
0.2063

 8.9020, 0.2242,
0.0889


 35.0594, 0.2555,
0.1398


 4.6773, 0.2071,
0.0678


 49.5543, 0.2620,
0.1530

 2.0592, 0.1847,
0.0452


 67.5777, 0.2673,
0.1646

 0.6415, 0.1549,
0.0225

 89.5141, 0.2718,
0.1749

 0.0000, 0.1164,
0.0000

 115.7478, 0.2755,
0.1841

 0.0000, 0.0661,
0.0000

 146.6633, 0.2786,

 0.0000, 0.0000,

0.1923

0.0000

182.6448, 0.2814,
0.1996

■ 15.1176, 0.2372,
0.1080

■ 15.1176, 0.2372,
0.1080

■ 15.1243, 0.2372,
0.1080

■ 16.7536, 0.2456,
0.1164

■ 19.3332, 0.2545,
0.1292

■ 23.1385, 0.2637,
0.1470

■ 28.3369, 0.2727,
0.1691

■ 35.0690, 0.2814,
0.1944

■ 43.4576, 0.2894,
0.2216

■ 53.6128, 0.2966,
0.2496

■ 65.6354, 0.3028,
0.2773

■ 79.6180, 0.3082,
0.3039

Harmonies

Analogous

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



15.1176, 0.1123, 0.0831



15.1176, 0.2372, 0.1080



15.1176, 0.4657, 0.1664

Triad

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



15.1176, 0.2372, 0.1080



15.1176, 0.5629, 0.4371



15.1176, 0.0488, 0.2754

Complementary

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



15.1176, 0.2372, 0.1080



70.2473, 0.3159, 0.5874

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.



15.1176, 0.1079, 0.6239



15.1176, 0.2372, 0.1080



15.1176, 0.3895, 0.6105

Square

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



15.1176, 0.2372, 0.1080



15.1176, 0.6807, 0.3193



15.1176, 0.2285, 0.7715



15.1176, 0.0406, 0.1296

Rectangle

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



15.1176, 0.2372, 0.1080



15.1176, 0.6216, 0.2173



15.1176, 0.2285, 0.7715



15.1176, 0.0607, 0.3711

Sweetspot

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



15.1243, 0.2372, 0.1080



56.0169, 0.2965, 0.2495



13.1463, 0.1624, 0.1048



10.9816, 0.2936, 0.2377



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.



15.1243, 0.2372, 0.1080



15.8029, 0.2371, 0.1080



24.9075, 0.3691, 0.1807



17.2190, 0.3085, 0.3052



8.1001, 0.2385, 0.1088



0.8080, 0.2485, 0.1143

Inverse Universe

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



20.9596, 0.5692, 0.2909



21.9106, 0.5695, 0.2911



68.5718, 0.2965, 0.5873



17.3203, 0.3242, 0.3211



11.1355, 0.5649, 0.2886



1.0501, 0.5315, 0.2702

Previews

White Background



This preview shows how the Yxy color 15.1176, 0.2372, 0.1080 looks on a white background.

Color Contrast Check

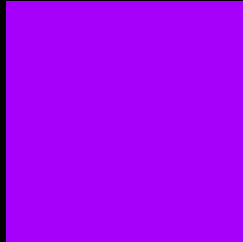
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.1176, 0.2372, 0.1080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

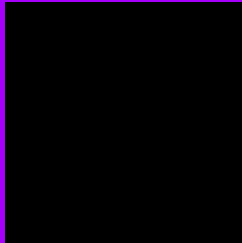
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.1176, 0.2372, 0.1080

Background



This preview shows how black text looks on a background with the Yxy color 15.1176, 0.2372, 0.1080.



This preview shows how white text looks on a background with the Yxy color 15.1176, 0.2372, 0.1080.

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

15.1176, 0.2372, 0.1080

Protanopia

15.6358, 0.1743, 0.1476

Deuteranopia

15.6605, 0.1852, 0.1868



Tritanopia

15.4180, 0.3675, 0.3165

Trichromacy



Original Color

15.1176, 0.2372, 0.1080



Protanomaly

10.8896, 0.1730, 0.1011



Deuteranomaly

10.4819, 0.1787, 0.1144



Tritanomaly

12.3979, 0.3077, 0.1863

Monochromacy



Original Color

15.1176, 0.2372, 0.1080



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

7.5193, 0.2697, 0.1638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1176, 0.2372, 0.1080 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(167, 0, 250)` looks like.

```
.text, #text, p{  
    color:rgb(167, 0, 250)  
}
```

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(167, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 0, 250) }
```

Border

The CSS property to change the border of an element to Yxy 15.1176, 0.2372, 0.1080 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(167, 0, 250) }
```

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

```
.border{ border-color:rgb(167, 0, 250) }
```

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

Here you see how a box with a 4 pixel rgb(167, 0, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 0, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 0, 250);  
box-shadow:4px 4px 4px 4px rgb(167, 0,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1176, 0.2372, 0.1080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 0, 250) }
```

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

```
.background{ background-color: rgb(167, 0,  
250) }
```

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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