

Converting Colors

$Y_{xy}(15.7658, 0.2369, 0.1079)$

Have a look what the booklet for
Yxy(15.7658, 0.2369, 0.1079)
contains.

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Color

Yxy(15.7660, 0.2368, 0.1078)

Conversions

Conversions Part 1

Format	Color
Hex	AA00FF
RGB	170, 0, 255
RGB Percent	67%, 0%, 100%
CMY	0.3333, 1.0000, 0.0000
CMYK	0.33, 1.00, 0.00, 0.00
HSL	280°, 100%, 50%
HSV	280°, 100%, 100%
XYZ	34.6325, 15.7660, 95.8538
YIQ	79.9000, 19.4650, 115.3450

Conversions

Conversions Part 2

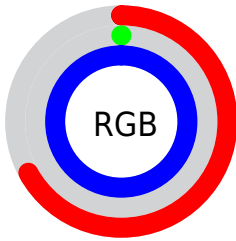
Format	Color
R_{YB}	170, 0, 255
Decimal	11141375
CIE _{Lab}	46.67, 87.01, -83.64
CIE _{LCh}	47, 120.690, 316.133
Yxy	15.7660, 0.2368, 0.1078
Android (android.graphics.Color)	4289331455 (0xFFAA00FF)
YUV	79.9000, 86.3243, 79.0177
Hunter-Lab	39.7064, 86.2042, -115.3352

Details

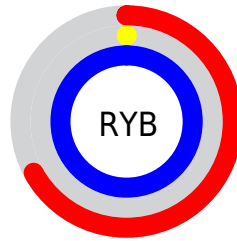
The Yxy color **15.7660, 0.2368, 0.1078** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **73.4509, 0.3159, 0.5874**, and the grayscale version is **7.8293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6881, 0.2980, 0.1718**, and **7.2194, 0.2116, 0.0940** is the 20% darker color. If you saturate the color by 10%, you get **15.7670, 0.2368, 0.1078**, and if you desaturate by 10%, it is **17.4619, 0.2453, 0.1161**.

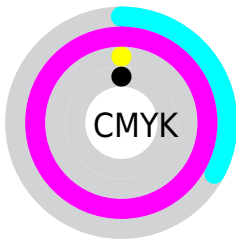
Distribution



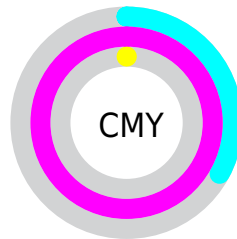
- Red (67%)
- Green (0%)
- Blue (100%)



- Red (67%)
- Yellow (0%)
- Blue (100%)



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





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.7660, 0.2368, 0.1078 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 15.7660, 0.2368, 0.1078 by changing the saturation by 10% instead.


 15.7660, 0.2368,
0.1078


 15.7660, 0.2368,
0.1078


227.9569, 0.2832,
0.2053


 9.3587, 0.2239,
0.0890


 36.1915, 0.2549,
0.1393


 4.9759, 0.2072,
0.0682


 50.9785, 0.2614,
0.1523

 2.2331, 0.1852,
0.0460


 69.3275, 0.2668,
0.1638

 0.7380, 0.1562,
0.0241

 91.6230, 0.2712,
0.1740

 0.0000, 0.1191,
0.0000

 118.2493, 0.2749,
0.1832

 0.0000, 0.0716,
0.0000

 149.5907, 0.2781,

 0.0000, 0.0000,

0.1913

0.0000

186.0318, 0.2809,
0.1987

■ 15.7660, 0.2368,
0.1078

■ 15.7660, 0.2368,
0.1078

■ 15.7670, 0.2368,
0.1078

■ 17.4619, 0.2453,
0.1161

■ 20.1533, 0.2542,
0.1290

■ 24.1276, 0.2634,
0.1467

■ 29.5608, 0.2725,
0.1689

■ 36.6003, 0.2812,
0.1942

■ 45.3751, 0.2892,
0.2215

■ 56.0009, 0.2965,
0.2495

■ 68.5832, 0.3028,
0.2772

■ 83.2192, 0.3082,
0.3039

Harmonies

Analogous

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



15.7660, 0.1120, 0.0830



15.7660, 0.2368, 0.1078



15.7660, 0.4654, 0.1661

Triad

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



15.7660, 0.2368, 0.1078



15.7660, 0.5633, 0.4367



15.7660, 0.0487, 0.2757

Complementary

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



15.7660, 0.2368, 0.1078



73.4509, 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.



15.7660, 0.1078, 0.6250



15.7660, 0.2368, 0.1078



15.7660, 0.3897, 0.6103

Square

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



15.7660, 0.2368, 0.1078



15.7660, 0.6810, 0.3190



15.7660, 0.2284, 0.7716



15.7660, 0.0405, 0.1295

Rectangle

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



15.7660, 0.2368, 0.1078



15.7660, 0.6215, 0.2171



15.7660, 0.2284, 0.7716



15.7660, 0.0606, 0.3717

Sweetspot

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



15.7670, 0.2368, 0.1078



56.0009, 0.2965, 0.2495



13.7170, 0.1624, 0.1046



10.9778, 0.2935, 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.



15.7670, 0.2368, 0.1078



26.0387, 0.3692, 0.1807



17.9793, 0.3084, 0.3052



8.3236, 0.2382, 0.1086



0.8702, 0.2477, 0.1138

Inverse Universe

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



21.9157, 0.5690, 0.2908



71.6908, 0.2965, 0.5874



18.0869, 0.3242, 0.3211



11.4761, 0.5647, 0.2884



1.1367, 0.5329, 0.2709

Previews

White Background



This preview shows how the Yxy color 15.7660, 0.2368, 0.1078 looks on a white background.

Color Contrast Check

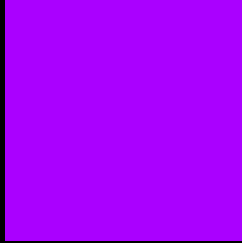
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7660, 0.2368, 0.1078 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 15.7660, 0.2368, 0.1078

Background



This preview shows how black text looks on a background with the Yxy color 15.7660, 0.2368, 0.1078.



This preview shows how white text looks on a background with the Yxy color 15.7660, 0.2368, 0.1078.

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

15.7660, 0.2368, 0.1078

Protanopia

16.2712, 0.1743, 0.1475

Deuteranopia

16.2927, 0.1850, 0.1860



Tritanopia

16.0155, 0.3665, 0.3166

Trichromacy



Original Color

15.7660, 0.2368, 0.1078



Protanomaly

11.3948, 0.1731, 0.1017



Deuteranomaly

10.8512, 0.1784, 0.1137



Tritanomaly

13.0123, 0.3079, 0.1872

Monochromacy



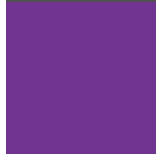
Original Color

15.7660, 0.2368, 0.1078



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

7.8920, 0.2706, 0.1639

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7660, 0.2368, 0.1078 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(170, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(170, 0, 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(170, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 0, 255) }
```

Border

The CSS property to change the border of an element to Yxy 15.7660, 0.2368, 0.1078 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(170, 0, 255) }
```

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

```
.border{ border-color:rgb(170, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(170, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(170, 0,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 15.7660, 0.2368, 0.1078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 0, 255) }
```

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

```
.background{ background-color: rgb(170, 0,  
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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