

Converting Colors

$Y_{xy}(16.5416, 0.2378, 0.1121)$

Have a look what the booklet for
Yxy(16.5416, 0.2378, 0.1121)
contains.

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Color

Yxy(16.5048, 0.2373, 0.1119)

Conversions

Conversions Part 1

Format	Color
Hex	AA1AFF
RGB	170, 26, 255
RGB Percent	67%, 10%, 100%
CMY	0.3334, 0.8982, 0.0000
CMYK	0.33, 0.90, 0.00, 0.00
HSL	278°, 100%, 55%
HSV	278°, 90%, 100%
XYZ	35.0008, 16.5048, 95.9904
YIQ	95.1620, 12.3150, 101.7470

Conversions

Conversions Part 2

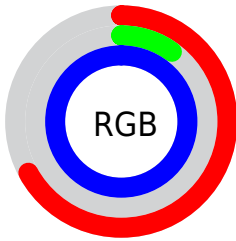
Format	Color
R _Y B	170, 26, 255
Decimal	11148031
CIE Lab	47.63, 84.12, -82.07
CIE LCh	48, 117.519, 315.708
Yxy	16.5048, 0.2373, 0.1119
Android (android.graphics.Color)	4289338111 (0xFFAA1AFF)
YUV	95.1620, 78.8001, 65.6329
Hunter-Lab	40.6261, 82.6883, -111.6507

Details

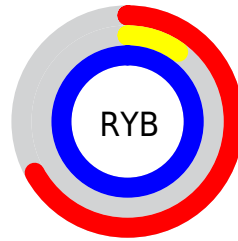
The Yxy color **16.5048, 0.2373, 0.1119** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle washed purple. A complement of this color would be **74.9727, 0.3252, 0.5737**, and the grayscale version is **11.2849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1112, 0.2980, 0.1772**, and **7.2194, 0.2116, 0.0940** is the 20% darker color. If you saturate the color by 10%, you get **14.7578, 0.2281, 0.1031**, and if you desaturate by 10%, it is **19.2666, 0.2472, 0.1255**.

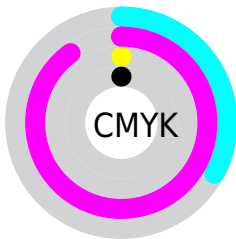
Distribution



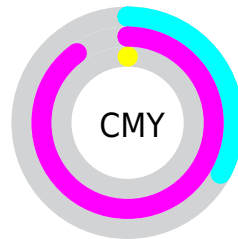
- Red (67%)
- Green (10%)
- Blue (100%)



- Red (67%)
- Yellow (10%)
- Blue (100%)



- Cyan (33%)
- Magenta (90%)
- Yellow (0%)
- Black (0%)




- Cyan (33%)
- Magenta (90%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5048, 0.2373, 0.1119 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 16.5048, 0.2373, 0.1119 by changing the saturation by 10% instead.


 16.5048, 0.2373,
0.1119


 16.5048, 0.2373,
0.1119


232.3023, 0.2830,
0.2080


 9.8821, 0.2247,
0.0932

 37.4724, 0.2551,
0.1431


 5.3208, 0.2083,
0.0723


 52.5860, 0.2615,
0.1559


 2.4367, 0.1867,
0.0498


 71.2987, 0.2668,
0.1673

 0.8447, 0.1581,
0.0273

 93.9949, 0.2711,
0.1773

 0.0000, 0.1216,
0.0000

 121.0589, 0.2748,
0.1863

 0.0000, 0.0742,
0.0000

 152.8753, 0.2780,

 0.0000, 0.0000,

0.1943

0.0000

189.8282, 0.2807,
0.2015

■ 16.5048, 0.2373,
0.1119

■ 16.5048, 0.2373,
0.1119

■ 14.7578, 0.2281,
0.1031

■ 19.2666, 0.2472,
0.1255

■ 14.7296, 0.2280,
0.1029

■ 23.3317, 0.2573,
0.1441

■ 28.8730, 0.2675,
0.1670

■ 36.0381, 0.2772,
0.1931

■ 44.9560, 0.2863,
0.2210

■ 55.7425, 0.2944,
0.2495

■ 68.5034, 0.3015,
0.2775

■ 83.3363, 0.3076,
0.3043

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.



16.5048, 0.1154, 0.0874



16.5048, 0.2373, 0.1119



16.5048, 0.4570, 0.1696

Triad

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



16.5048, 0.2373, 0.1119



16.5048, 0.5624, 0.4376



16.5048, 0.0546, 0.2833

Complementary

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



16.5048, 0.2373, 0.1119



74.9727, 0.3252, 0.5737

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.



16.5048, 0.1171, 0.6160



16.5048, 0.2373, 0.1119



16.5048, 0.3963, 0.6037

Square

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



16.5048, 0.2373, 0.1119



16.5048, 0.6758, 0.3242



16.5048, 0.2405, 0.7593



16.5048, 0.0446, 0.1364

Rectangle

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



16.5048, 0.2373, 0.1119



16.5048, 0.6082, 0.2205



16.5048, 0.2405, 0.7593



16.5048, 0.0676, 0.3767

Sweetspot

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



16.5021, 0.2373, 0.1119



59.1322, 0.2965, 0.2575



19.4206, 0.1736, 0.1378



11.7814, 0.2939, 0.2478



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.



16.5021, 0.2373, 0.1119



14.7296, 0.2280, 0.1029



27.6144, 0.3494, 0.1734



17.9437, 0.3078, 0.3051



7.7844, 0.2294, 0.1038



0.8202, 0.2398, 0.1094

Inverse Universe

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



23.1447, 0.5246, 0.2730



22.0799, 0.5543, 0.2827



71.9934, 0.2967, 0.5801



18.0986, 0.3236, 0.3202



11.5636, 0.5500, 0.2804



1.1462, 0.5190, 0.2633

Previews

White Background



This preview shows how the Yxy color 16.5048, 0.2373, 0.1119 looks on a white background.

Color Contrast Check

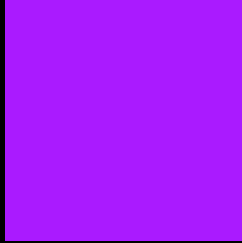
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5048, 0.2373, 0.1119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

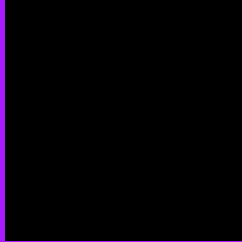
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.5048, 0.2373, 0.1119

Background



This preview shows how black text looks on a background with the Yxy color 16.5048, 0.2373, 0.1119.



This preview shows how white text looks on a background with the Yxy color 16.5048, 0.2373, 0.1119.

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

16.5048, 0.2373, 0.1119

Protanopia

16.6504, 0.1741, 0.1468

Deuteranopia

16.6143, 0.1849, 0.1856



Tritanopia

16.4465, 0.3627, 0.3167

Trichromacy



Original Color

16.5048, 0.2373, 0.1119



Protanomaly

12.8481, 0.1751, 0.1105



Deuteranomaly

12.3251, 0.1811, 0.1249



Tritanomaly

14.2785, 0.3064, 0.1979

Monochromacy



Original Color

16.5048, 0.2373, 0.1119



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

10.8178, 0.2745, 0.1860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5048, 0.2373, 0.1119 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, 26, 255)` looks like.

```
.text, #text, p{  
    color:rgb(170, 26, 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, 26, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 26, 255) }
```

Border

The CSS property to change the border of an element to Yxy 16.5048, 0.2373, 0.1119 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, 26, 255) }
```

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

```
.border{ border-color:rgb(170, 26, 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, 26, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 26, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 26, 255);  
box-shadow:4px 4px 4px 4px rgb(170, 26,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5048, 0.2373, 0.1119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 26, 255) }
```

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

```
.background{ background-color: rgb(170, 26,  
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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