

Converting Colors

$Yxy(16.9985, 0.2469, 0.1134)$

Have a look what the booklet for
Yxy(16.9985, 0.2469, 0.1134)
contains.

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Color

Yxy(17.0438, 0.2472, 0.1136)

Conversions

Conversions Part 1

Format	Color
Hex	B501FF
RGB	181, 1, 255
RGB Percent	71%, 0%, 100%
CMY	0.2904, 0.9980, 0.0002
CMYK	0.29, 1.00, 0.00, 0.00
HSL	283°, 100%, 50%
HSV	283°, 100%, 100%
XYZ	37.0883, 17.0438, 95.9014
YIQ	83.7760, 25.7460, 117.1540

Conversions

Conversions Part 2

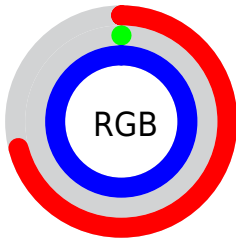
Format	Color
R_{YB}	181, 1, 255
Decimal	11862527
CIE _{Lab}	48.32, 88.15, -80.82
CIE _{LCh}	48, 119.597, 317.483
Yxy	17.0438, 0.2472, 0.1136
Android (android.graphics.Color)	4290052607 (0xFFB501FF)
YUV	83.7760, 84.4134, 85.2654
Hunter-Lab	41.2841, 88.1111, -108.8294

Details

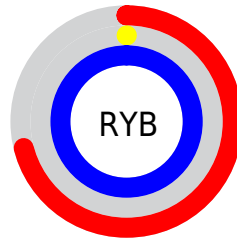
The Yxy color **17.0438, 0.2472, 0.1136** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **72.9673, 0.3123, 0.5901**, and the grayscale version is **8.5719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.9290, 0.3083, 0.1778**, and **8.0243, 0.2248, 0.1012** is the 20% darker color. If you saturate the color by 10%, you get **17.0147, 0.2471, 0.1135**, and if you desaturate by 10%, it is **18.6928, 0.2547, 0.1214**.

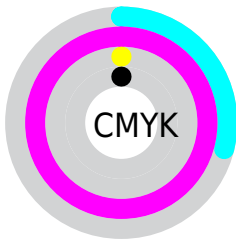
Distribution



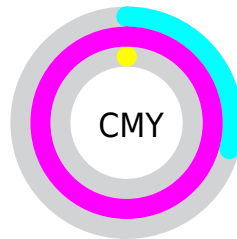
- Red (71%)
- Green (0%)
- Blue (100%)



- Red (71%)
- Yellow (0%)
- Blue (100%)



- Cyan (29%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.0438, 0.2472, 0.1136 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 17.0438, 0.2472, 0.1136 by changing the saturation by 10% instead.


 17.0438, 0.2472,
0.1136


 17.0438, 0.2472,
0.1136


235.4247, 0.2880,
0.2086


 10.2657, 0.2356,
0.0951


 38.4011, 0.2633,
0.1444


 5.5755, 0.2205,
0.0743


 53.7490, 0.2690,
0.1571

 2.5887, 0.2003,
0.0518


 72.7225, 0.2737,
0.1683

 0.9210, 0.1731,
0.0292

 95.7057, 0.2776,
0.1783

 0.0000, 0.1380,
0.0000

 123.0831, 0.2808,
0.1871

 0.0000, 0.0899,
0.0000

 155.2392, 0.2836,

 0.0000, 0.0000,

0.1950

0.0000

192.5582, 0.2860,
0.2022

■ 17.0438, 0.2472,
0.1136

■ 17.0438, 0.2472,
0.1136

■ 17.0147, 0.2471,
0.1135

■ 18.6928, 0.2547,
0.1214

■ 21.3345, 0.2626,
0.1335

■ 25.2485, 0.2706,
0.1506

■ 30.6091, 0.2785,
0.1719

■ 37.5632, 0.2860,
0.1965

■ 46.2389, 0.2929,
0.2231

■ 56.7512, 0.2991,
0.2506

■ 69.2052, 0.3044,
0.2780

■ 83.6976, 0.3090,
0.3045

Harmonies

Analogous

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



17.0438, 0.1195, 0.0873



17.0438, 0.2472, 0.1136



17.0438, 0.4726, 0.1732

Triad

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



17.0438, 0.2472, 0.1136



17.0438, 0.5541, 0.4459



17.0438, 0.0521, 0.2687

Complementary

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



17.0438, 0.2472, 0.1136



72.9673, 0.3123, 0.5901

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.



17.0438, 0.1101, 0.5973



17.0438, 0.2472, 0.1136



17.0438, 0.3853, 0.6147

Square

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



17.0438, 0.2472, 0.1136



17.0438, 0.6719, 0.3281



17.0438, 0.2299, 0.7624



17.0438, 0.0443, 0.1310

Rectangle

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



17.0438, 0.2472, 0.1136



17.0438, 0.6206, 0.2243



17.0438, 0.2299, 0.7624



17.0438, 0.0638, 0.3580

Sweetspot

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



17.0444, 0.2472, 0.1136



56.5410, 0.2990, 0.2501



12.5071, 0.1603, 0.0969



11.1071, 0.2964, 0.2384



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.



17.0444, 0.2472, 0.1136



17.0220, 0.2471, 0.1135



25.6249, 0.3802, 0.1869



18.0194, 0.3091, 0.3052



8.9747, 0.2483, 0.1141



0.9299, 0.2568, 0.1188

Inverse Universe

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



21.7638, 0.5837, 0.2990



21.7568, 0.5843, 0.2992



71.7350, 0.2951, 0.5823



18.0740, 0.3248, 0.3221



11.3908, 0.5801, 0.2969



1.1271, 0.5480, 0.2793

Previews

White Background



This preview shows how the Yxy color 17.0438, 0.2472, 0.1136 looks on a white background.

Color Contrast Check

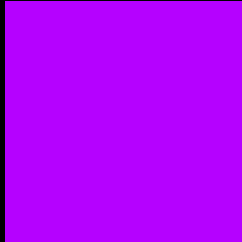
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.0438, 0.2472, 0.1136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

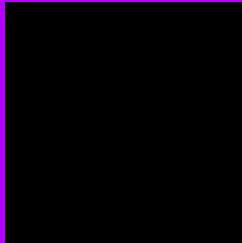
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.0438, 0.2472, 0.1136

Background



This preview shows how black text looks on a background with the Yxy color 17.0438, 0.2472, 0.1136.



This preview shows how white text looks on a background with the Yxy color 17.0438, 0.2472, 0.1136.

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

17.0655, 0.2472, 0.1137

Protanopia

17.6445, 0.1741, 0.1467

Deuteranopia

17.6014, 0.1846, 0.1844



Tritanopia

17.2438, 0.3853, 0.3176

Trichromacy



Original Color

17.0655, 0.2472, 0.1137



Protanomaly

12.1358, 0.1740, 0.1021



Deuteranomaly

11.6548, 0.1799, 0.1155



Tritanomaly

14.2393, 0.3248, 0.1944

Monochromacy



Original Color

17.0655, 0.2472, 0.1137



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

8.5435, 0.2774, 0.1685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0438, 0.2472, 0.1136 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(181, 1, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 1, 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(181, 1, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 1, 255) }
```

Border

The CSS property to change the border of an element to Yxy 17.0438, 0.2472, 0.1136 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(181, 1, 255) }
```

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

```
.border{ border-color:rgb(181, 1, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 1, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 1, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 1, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 1,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0438, 0.2472, 0.1136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 1, 255) }
```

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

```
.background{ background-color: rgb(181, 1,  
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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