

Converting Colors

$Y_{xy}(16.1423, 0.2461, 0.1129)$

Have a look what the booklet for
Yxy(16.1423, 0.2461, 0.1129)
contains.

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Color

Yxy(16.1322, 0.2459, 0.1128)

Conversions

Conversions Part 1

Format	Color
Hex	B000FA
RGB	176, 0, 250
RGB Percent	69%, 0%, 98%
CMY	0.3097, 1.0000, 0.0195
CMYK	0.30, 1.00, 0.00, 0.02
HSL	282°, 100%, 49%
HSV	282°, 100%, 98%
XYZ	35.1676, 16.1322, 91.7161
YIQ	81.1240, 24.6460, 115.0620

Conversions

Conversions Part 2

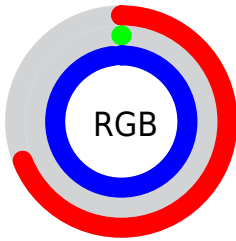
Format	Color
RYB	176, 0, 250
Decimal	11534586
CIELab	47.15, 86.77, -80.01
CIELCh	47, 118.024, 317.321
Yxy	16.1322, 0.2459, 0.1128
Android (android.graphics.Color)	4289724666 (0xFFB000FA)
YUV	81.1240, 83.2559, 83.2063
Hunter-Lab	40.1649, 86.0026, -107.2726

Details

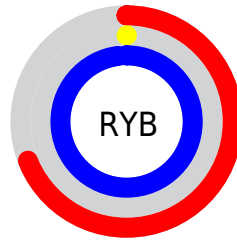
The Yxy color **16.1322, 0.2459, 0.1128** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **69.8366, 0.3127, 0.5899**, and the grayscale version is **8.0863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8793, 0.3037, 0.1750**, and **7.4506, 0.2227, 0.1001** is the 20% darker color. If you saturate the color by 10%, you get **16.1377, 0.2459, 0.1128**, and if you desaturate by 10%, it is **17.7193, 0.2535, 0.1206**.

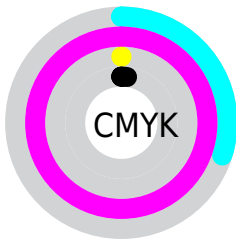
Distribution



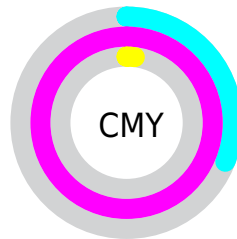
- Red (69%)
- Green (0%)
- Blue (98%)



- Red (69%)
- Yellow (0%)
- Blue (98%)



- Cyan (30%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)





- Cyan (31%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1322, 0.2459, 0.1128 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 16.1322, 0.2459, 0.1128 by changing the saturation by 10% instead.


 16.1322, 0.2459,
0.1128


 16.1322, 0.2459,
0.1128


230.1205, 0.2877,
0.2090


 9.6177, 0.2340,
0.0939


 36.8276, 0.2625,
0.1441


 5.1463, 0.2183,
0.0728


 51.7773, 0.2683,
0.1570

 2.3333, 0.1974,
0.0500


 70.3075, 0.2731,
0.1683

 0.7913, 0.1690,
0.0271

 92.8027, 0.2771,
0.1784

 0.0000, 0.1322,
0.0000

 119.6472, 0.2804,
0.1873

 0.0000, 0.0828,
0.0000

 151.2254, 0.2832,

 0.0000, 0.0000,

0.1953

0.0000

187.9217, 0.2856,
0.2025

■ 16.1322, 0.2459,
0.1128

■ 16.1322, 0.2459,
0.1128

■ 16.1377, 0.2459,
0.1128

■ 17.7193, 0.2535,
0.1206

■ 20.2395, 0.2615,
0.1329

■ 23.9733, 0.2697,
0.1499

■ 29.0876, 0.2777,
0.1713

■ 35.7227, 0.2854,
0.1959

■ 44.0011, 0.2924,
0.2226

■ 54.0327, 0.2987,
0.2501

■ 65.9177, 0.3042,
0.2775

■ 79.7486, 0.3088,
0.3040

Harmonies

Analogous

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



16.1322, 0.1185, 0.0866



16.1322, 0.2459, 0.1128



16.1322, 0.4719, 0.1723

Triad

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



16.1322, 0.2459, 0.1128



16.1322, 0.5553, 0.4447



16.1322, 0.0516, 0.2695

Complementary

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



16.1322, 0.2459, 0.1128



69.8366, 0.3127, 0.5899

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.



16.1322, 0.1097, 0.6008



16.1322, 0.2459, 0.1128



16.1322, 0.3857, 0.6143

Square

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



16.1322, 0.2459, 0.1128



16.1322, 0.6731, 0.3269



16.1322, 0.2301, 0.7657



16.1322, 0.0437, 0.1307

Rectangle

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



16.1322, 0.2459, 0.1128



16.1322, 0.6209, 0.2234



16.1322, 0.2301, 0.7657



16.1322, 0.0633, 0.3596

Sweetspot

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



16.1377, 0.2459, 0.1128



56.4769, 0.2987, 0.2500



11.9360, 0.1602, 0.0967



11.0917, 0.2961, 0.2383



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.



16.1377, 0.2459, 0.1128



16.8690, 0.2458, 0.1128



24.4978, 0.3803, 0.1869



17.2516, 0.3090, 0.3053



8.6366, 0.2471, 0.1135



0.8546, 0.2562, 0.1185

Inverse Universe

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



20.8212, 0.5823, 0.2981



21.7742, 0.5825, 0.2983



68.6119, 0.2951, 0.5824



17.3097, 0.3247, 0.3220



11.0644, 0.5781, 0.2958



1.0425, 0.5444, 0.2773

Previews

White Background



This preview shows how the Yxy color 16.1322, 0.2459, 0.1128 looks on a white background.

Color Contrast Check

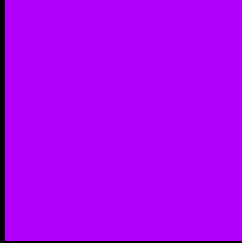
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1322, 0.2459, 0.1128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

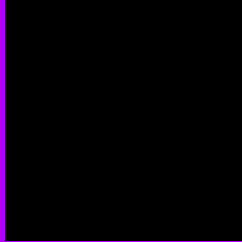
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.1322, 0.2459, 0.1128

Background



This preview shows how black text looks on a background with the Yxy color 16.1322, 0.2459, 0.1128.



This preview shows how white text looks on a background with the Yxy color 16.1322, 0.2459, 0.1128.

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

16.1322, 0.2459, 0.1128

Protanopia

16.6504, 0.1741, 0.1468

Deuteranopia

16.6609, 0.1846, 0.1845



Tritanopia

16.4307, 0.3836, 0.3173

Trichromacy



Original Color

16.1322, 0.2459, 0.1128



Protanomaly

11.4607, 0.1739, 0.1021



Deuteranomaly

11.0495, 0.1797, 0.1153



Tritanomaly

13.4909, 0.3235, 0.1932

Monochromacy



Original Color

16.1322, 0.2459, 0.1128



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

8.1220, 0.2780, 0.1696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1322, 0.2459, 0.1128 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(176, 0, 250)` looks like.

```
.text, #text, p{  
    color:rgb(176, 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(176, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 250) }
```

Border

The CSS property to change the border of an element to Yxy 16.1322, 0.2459, 0.1128 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(176, 0, 250) }
```

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

```
.border{ border-color:rgb(176, 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(176, 0, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 250);  
box-shadow:4px 4px 4px 4px rgb(176, 0,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1322, 0.2459, 0.1128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 0, 250) }
```

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

```
.background{ background-color: rgb(176, 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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