

Converting Colors

$Y_{xy}(16.1580, 0.2401, 0.1096)$

Have a look what the booklet for
Yxy(16.1580, 0.2401, 0.1096)
contains.

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Color

Yxy(16.2187, 0.2406, 0.1099)

Conversions

Conversions Part 1

Format	Color
Hex	AE00FF
RGB	174, 0, 255
RGB Percent	68%, 0%, 100%
CMY	0.3175, 1.0000, 0.0001
CMYK	0.32, 1.00, 0.00, 0.00
HSL	281°, 100%, 50%
HSV	281°, 100%, 100%
XYZ	35.5070, 16.2187, 95.8512
YIQ	81.0960, 21.8490, 116.1930

Conversions

Conversions Part 2

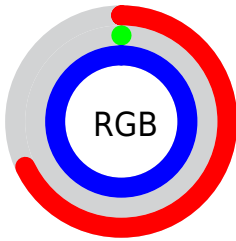
Format	Color
RYB	174, 0, 255
Decimal	11403519
CIELab	47.26, 87.43, -82.61
CIElCh	47, 120.286, 316.624
Yxy	16.2187, 0.2406, 0.1099
Android (android.graphics.Color)	4289593599 (0xFFAE00FF)
YUV	81.0960, 85.7347, 81.4768
Hunter-Lab	40.2724, 86.9013, -112.9236

Details

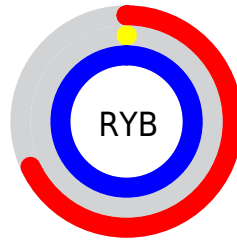
The Yxy color **16.2187, 0.2406, 0.1099** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **73.2558, 0.3145, 0.5885**, and the grayscale version is **8.0745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5350, 0.3018, 0.1741**, and **7.4760, 0.2159, 0.0963** is the 20% darker color. If you saturate the color by 10%, you get **16.2206, 0.2406, 0.1099**, and if you desaturate by 10%, it is **17.8956, 0.2487, 0.1180**.

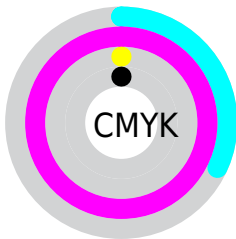
Distribution



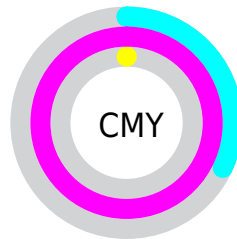
- Red (68%)
- Green (0%)
- Blue (100%)



- Red (68%)
- Yellow (0%)
- Blue (100%)



- Cyan (32%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (32%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2187, 0.2406, 0.1099 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 16.2187, 0.2406, 0.1099 by changing the saturation by 10% instead.


 16.2187, 0.2406,
0.1099


 16.2187, 0.2406,
0.1099


230.6288, 0.2850,
0.2065


 9.6790, 0.2282,
0.0912


 36.9775, 0.2580,
0.1411


 5.1867, 0.2121,
0.0704


 51.9654, 0.2642,
0.1540


 2.3572, 0.1907,
0.0481


 70.5381, 0.2693,
0.1654

 0.8037, 0.1623,
0.0259

 93.0801, 0.2735,
0.1756

 0.0000, 0.1258,
0.0000

 119.9758, 0.2771,
0.1846

 0.0000, 0.0783,
0.0000

 151.6096, 0.2801,

 0.0000, 0.0000,

0.1927

0.0000

188.3658, 0.2827,
0.1999

■ 16.2187, 0.2406,
0.1099

■ 16.2187, 0.2406,
0.1099

■ 16.2206, 0.2406,
0.1099

■ 17.8956, 0.2487,
0.1180

■ 20.5614, 0.2573,
0.1305

■ 24.5045, 0.2660,
0.1480

■ 29.9005, 0.2747,
0.1698

■ 36.8968, 0.2829,
0.1948

■ 45.6222, 0.2906,
0.2219

■ 56.1922, 0.2974,
0.2497

■ 68.7120, 0.3034,
0.2773

■ 83.2790, 0.3084,
0.3039

Harmonies

Analogous

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



16.2187, 0.1148, 0.0845



16.2187, 0.2406, 0.1099



16.2187, 0.4681, 0.1687

Triad

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



16.2187, 0.2406, 0.1099



16.2187, 0.5599, 0.4401



16.2187, 0.0499, 0.2731

Complementary

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



16.2187, 0.2406, 0.1099



73.2558, 0.3145, 0.5885

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.



16.2187, 0.1087, 0.6147



16.2187, 0.2406, 0.1099



16.2187, 0.3880, 0.6120

Square

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



16.2187, 0.2406, 0.1099



16.2187, 0.6777, 0.3223



16.2187, 0.2296, 0.7704



16.2187, 0.0419, 0.1301

Rectangle

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



16.2187, 0.2406, 0.1099



16.2187, 0.6212, 0.2197



16.2187, 0.2296, 0.7704



16.2187, 0.0618, 0.3666

Sweetspot

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



16.2206, 0.2406, 0.1099



56.2011, 0.2974, 0.2497



13.7149, 0.1624, 0.1046



11.0257, 0.2946, 0.2380



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.



16.2206, 0.2406, 0.1099



16.2232, 0.2406, 0.1099



26.0345, 0.3692, 0.1807



17.9943, 0.3087, 0.3052



8.5604, 0.2419, 0.1106



0.8920, 0.2511, 0.1157

Inverse Universe

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



21.8500, 0.5749, 0.2940



21.8535, 0.5749, 0.2940



71.6792, 0.2965, 0.5874



18.0821, 0.3244, 0.3215



11.4427, 0.5706, 0.2917



1.1330, 0.5386, 0.2741

Previews

White Background



This preview shows how the Yxy color 16.2187, 0.2406, 0.1099 looks on a white background.

Color Contrast Check

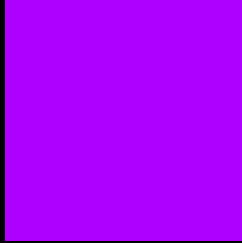
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2187, 0.2406, 0.1099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

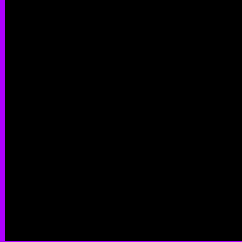
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.2187, 0.2406, 0.1099

Background



This preview shows how black text looks on a background with the Yxy color 16.2187, 0.2406, 0.1099.



This preview shows how white text looks on a background with the Yxy color 16.2187, 0.2406, 0.1099.

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

16.2187, 0.2406, 0.1099

Protanopia

16.8650, 0.1745, 0.1482

Deuteranopia

16.6143, 0.1849, 0.1856



Tritanopia

16.4718, 0.3738, 0.3170

Trichromacy



Original Color

16.2187, 0.2406, 0.1099



Protanomaly

11.6691, 0.1733, 0.1020



Deuteranomaly

11.0688, 0.1789, 0.1146



Tritanomaly

13.4081, 0.3135, 0.1896

Monochromacy



Original Color

16.2187, 0.2406, 0.1099



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

8.1144, 0.2738, 0.1666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2187, 0.2406, 0.1099 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(174, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(174, 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(174, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 0, 255) }
```

Border

The CSS property to change the border of an element to Yxy 16.2187, 0.2406, 0.1099 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(174, 0, 255) }
```

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

```
.border{ border-color:rgb(174, 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(174, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(174, 0,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2187, 0.2406, 0.1099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 0, 255) }
```

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

```
.background{ background-color: rgb(174, 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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