

Converting Colors

$Y_{xy}(16.0627, 0.2338, 0.1099)$

Have a look what the booklet for
Yxy(16.0627, 0.2338, 0.1099)
contains.

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Color

Yxy(16.0658, 0.2337, 0.1099)

Conversions

Conversions Part 1

Format	Color
Hex	A61AFF
RGB	166, 26, 255
RGB Percent	65%, 10%, 100%
CMY	0.3487, 0.8990, 0.0000
CMYK	0.35, 0.90, 0.00, 0.00
HSL	277°, 100%, 55%
HSV	277°, 90%, 100%
XYZ	34.1636, 16.0658, 95.9562
YIQ	93.9660, 9.9310, 100.8990

Conversions

Conversions Part 2

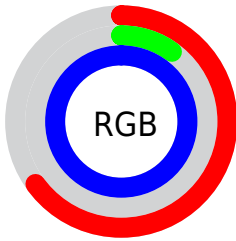
Format	Color
R _{YB}	166, 26, 255
Decimal	10885887
CIE _{Lab}	47.06, 83.69, -83.02
CIE _{LCh}	47, 117.886, 315.229
Yxy	16.0658, 0.2337, 0.1099
Android (android.graphics.Color)	4289075967 (0xFFA61AFF)
YUV	93.9660, 79.3898, 63.1738
Hunter-Lab	40.0822, 81.9987, -113.8821

Details

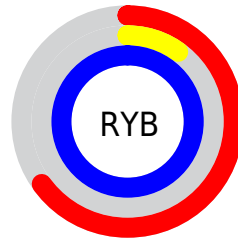
The Yxy color **16.0658, 0.2337, 0.1099** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle washed purple. A complement of this color would be **75.2161, 0.3270, 0.5724**, and the grayscale version is **10.9615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2634, 0.2943, 0.1748**, and **6.9743, 0.2075, 0.0916** is the 20% darker color. If you saturate the color by 10%, you get **14.3115, 0.2242, 0.1009**, and if you desaturate by 10%, it is **18.8353, 0.2439, 0.1237**.

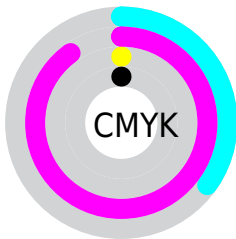
Distribution



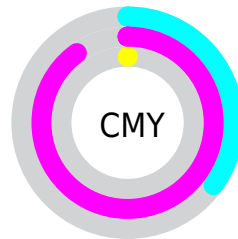
- Red (65%)
- Green (10%)
- Blue (100%)



- Red (65%)
- Yellow (10%)
- Blue (100%)



- Cyan (35%)
- Magenta (90%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (90%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0658, 0.2337, 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 16.0658, 0.2337, 0.1099 by changing the saturation by 10% instead.


 16.0658, 0.2337,
0.1099


 16.0658, 0.2337,
0.1099


 229.7297, 0.2814,
0.2069


 9.5707, 0.2206,
0.0911


 36.7124, 0.2522,
0.1413


 5.1153, 0.2037,
0.0702


 51.6327, 0.2589,
0.1543

 2.3151, 0.1815,
0.0478


 70.1302, 0.2644,
0.1657

 0.7817, 0.1523,
0.0255

 92.5893, 0.2689,
0.1759

 0.0000, 0.1153,
0.0000

 119.3945, 0.2728,
0.1849

 0.0000, 0.0678,
0.0000

 150.9299, 0.2761,

 0.0000, 0.0000,

0.1930

0.0000

187.5802, 0.2789,
0.2003

■ 16.0658, 0.2337,
0.1099

■ 16.0658, 0.2337,
0.1099

■ 14.3115, 0.2242,
0.1009

■ 18.8353, 0.2439,
0.1237

■ 14.2967, 0.2242,
0.1008

■ 22.9134, 0.2545,
0.1426

■ 28.4732, 0.2651,
0.1658

■ 35.6624, 0.2753,
0.1922

■ 44.6106, 0.2848,
0.2204

■ 55.4339, 0.2934,
0.2490

■ 68.2382, 0.3009,
0.2772

■ 83.1216, 0.3073,
0.3041

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.



16.0658, 0.1128, 0.0859



16.0658, 0.2337, 0.1099



16.0658, 0.4543, 0.1672

Triad

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



16.0658, 0.2337, 0.1099



16.0658, 0.5656, 0.4344



16.0658, 0.0535, 0.2860

Complementary

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



16.0658, 0.2337, 0.1099



75.2161, 0.3270, 0.5724

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.



16.0658, 0.1164, 0.6256



16.0658, 0.2337, 0.1099



16.0658, 0.3980, 0.6020

Square

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



16.0658, 0.2337, 0.1099



16.0658, 0.6789, 0.3211



16.0658, 0.2396, 0.7604



16.0658, 0.0433, 0.1360

Rectangle

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



16.0658, 0.2337, 0.1099



16.0658, 0.6083, 0.2180



16.0658, 0.2396, 0.7604



16.0658, 0.0665, 0.3818

Sweetspot

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



16.0626, 0.2337, 0.1099



58.9431, 0.2956, 0.2573



20.2634, 0.1748, 0.1423



11.7367, 0.2929, 0.2476



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.



16.0626, 0.2337, 0.1099



14.2967, 0.2242, 0.1008



27.8180, 0.3451, 0.1709



17.9281, 0.3075, 0.3051



7.5591, 0.2257, 0.1017



0.7991, 0.2363, 0.1076

Inverse Universe

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



23.2178, 0.5187, 0.2695



22.1592, 0.5476, 0.2790



71.9553, 0.2974, 0.5826



18.1037, 0.3233, 0.3198



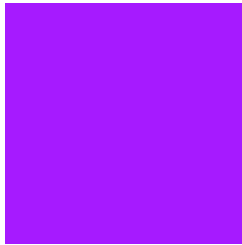
11.6057, 0.5433, 0.2767



1.1506, 0.5128, 0.2598

Previews

White Background



This preview shows how the Yxy color 16.0658, 0.2337, 0.1099 looks on a white background.

Color Contrast Check

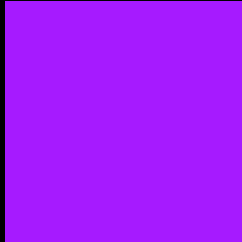
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.0658, 0.2337, 0.1099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

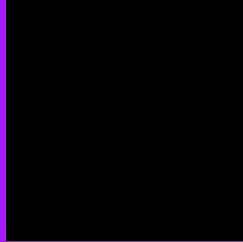
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0658, 0.2337, 0.1099

Background



This preview shows how black text looks on a background with the Yxy color 16.0658, 0.2337, 0.1099.



This preview shows how white text looks on a background with the Yxy color 16.0658, 0.2337, 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

16.0658, 0.2337, 0.1099

Protanopia

16.2712, 0.1743, 0.1475

Deuteranopia

16.2470, 0.1853, 0.1871



Tritanopia

16.0958, 0.3570, 0.3164

Trichromacy



Original Color

16.0658, 0.2337, 0.1099



Protanomaly

12.5239, 0.1745, 0.1100



Deuteranomaly

12.1569, 0.1808, 0.1257



Tritanomaly

13.8958, 0.3009, 0.1957

Monochromacy



Original Color

16.0658, 0.2337, 0.1099



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

10.5492, 0.2716, 0.1834

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0658, 0.2337, 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(166, 26, 255)` looks like.

```
.text, #text, p{  
  color:rgb(166, 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(166, 26, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 26, 255) }
```

Border

The CSS property to change the border of an element to Yxy 16.0658, 0.2337, 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(166, 26, 255) }
```

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

```
.border{ border-color:rgb(166, 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(166, 26, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 26, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 26, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 26,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0658, 0.2337, 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(166, 26, 255) }
```

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

```
.background{ background-color: rgb(166, 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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