

Converting Colors

$Yxy(16.6647, 0.2635, 0.1225)$

Have a look what the booklet for
Yxy(16.6647, 0.2635, 0.1225)
contains.

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Color

Yxy(16.7304, 0.2636, 0.1226)

Conversions

Conversions Part 1

Format	Color
Hex	BA00F0
RGB	186, 0, 240
RGB Percent	73%, 0%, 94%
CMY	0.2707, 0.9992, 0.0589
CMYK	0.23, 1.00, 0.00, 0.06
HSL	286°, 100%, 47%
HSV	286°, 100%, 94%
XYZ	35.9717, 16.7304, 83.7612
YIQ	82.9740, 33.8160, 114.0720

Conversions

Conversions Part 2

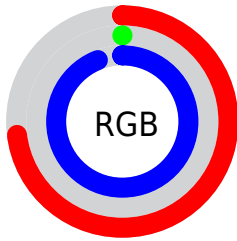
Format	Color
RYB	186, 0, 240
Decimal	12189936
CIELab	47.92, 86.16, -73.05
CIElCh	48, 112.959, 319.706
Yxy	16.7304, 0.2636, 0.1226
Android (android.graphics.Color)	4290380016 (0xFFBA00F0)
YUV	82.9740, 77.4138, 90.3538
Hunter-Lab	40.9028, 85.4008, -92.7827

Details

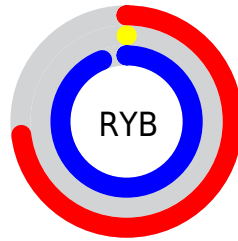
The Yxy color **16.7304, 0.2636, 0.1226** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **63.1031, 0.3077, 0.5939**, and the grayscale version is **8.5027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.6484, 0.3121, 0.1795**, and **7.8545, 0.2436, 0.1115** is the 20% darker color. If you saturate the color by 10%, you get **16.7212, 0.2636, 0.1226**, and if you desaturate by 10%, it is **18.0779, 0.2695, 0.1295**.

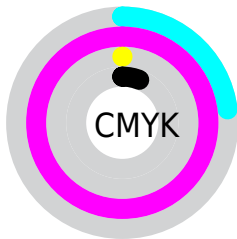
Distribution



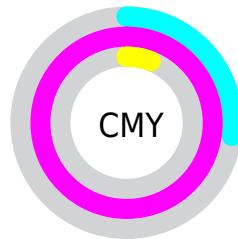
- Red (73%)
- Green (0%)
- Blue (94%)



- Red (73%)
- Yellow (0%)
- Blue (94%)



- Cyan (23%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)




- Cyan (27%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.7304, 0.2636, 0.1226 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 16.7304, 0.2636, 0.1226 by changing the saturation by 10% instead.


 16.7304, 0.2636,
0.1226


 16.7304, 0.2636,
0.1226


233.6139, 0.2962,
0.2160


 10.0425, 0.2537,
0.1036


 37.8617, 0.2769,
0.1535


 5.4271, 0.2403,
0.0821


 53.0738, 0.2815,
0.1660

 2.5000, 0.2218,
0.0581


 71.8960, 0.2852,
0.1770

 0.8766, 0.1956,
0.0333

 94.7129, 0.2883,
0.1867

 0.0000, 0.1602,
0.0000

 121.9087, 0.2908,
0.1953

 0.0000, 0.1074,
0.0000

 153.8679, 0.2929,

 0.0000, 0.0000,

0.2030

0.0000

190.9748, 0.2946,
0.2098

■ 16.7304, 0.2636,
0.1226

■ 16.7304, 0.2636,
0.1226

■ 16.7212, 0.2636,
0.1226

■ 18.0779, 0.2695,
0.1295

■ 20.2621, 0.2756,
0.1404

■ 23.5338, 0.2817,
0.1561

■ 28.0431, 0.2877,
0.1760

■ 33.9161, 0.2933,
0.1993

■ 41.2630, 0.2984,
0.2248

■ 50.1829, 0.3029,
0.2515

■ 60.7660, 0.3068,
0.2782

■ 73.0957, 0.3101,
0.3043

Harmonies

Analogous

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



16.7304, 0.1315, 0.0938



16.7304, 0.2636, 0.1226



16.7304, 0.4838, 0.1841

Triad

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



16.7304, 0.2636, 0.1226



16.7304, 0.5402, 0.4598



16.7304, 0.0568, 0.2582

Complementary

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



16.7304, 0.2636, 0.1226



63.1031, 0.3077, 0.5939

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.



16.7304, 0.1124, 0.5570



16.7304, 0.2636, 0.1226



16.7304, 0.3782, 0.6218

Square

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



16.7304, 0.2636, 0.1226



16.7304, 0.6581, 0.3419



16.7304, 0.2288, 0.7415



16.7304, 0.0500, 0.1327

Rectangle

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



16.7304, 0.2636, 0.1226



16.7304, 0.6195, 0.2354



16.7304, 0.2288, 0.7415



16.7304, 0.0680, 0.3381

Sweetspot

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



16.7310, 0.2636, 0.1226



57.3974, 0.3028, 0.2510



9.1345, 0.1565, 0.0834



11.3129, 0.3010, 0.2396



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.



16.7310, 0.2636, 0.1226



19.1666, 0.2634, 0.1225



21.6636, 0.4038, 0.1998



15.8414, 0.3102, 0.3055



9.2165, 0.2645, 0.1231



0.8102, 0.2723, 0.1274

Inverse Universe

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



18.7956, 0.6039, 0.3101



21.5598, 0.6048, 0.3105



62.6857, 0.2916, 0.5696



15.8171, 0.3258, 0.3237



10.3036, 0.6004, 0.3081



0.8718, 0.5641, 0.2881

Previews

White Background



This preview shows how the Yxy color 16.7304, 0.2636, 0.1226 looks on a white background.

Color Contrast Check

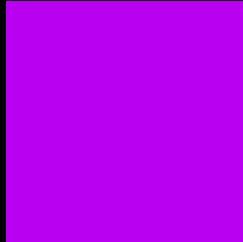
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7304, 0.2636, 0.1226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

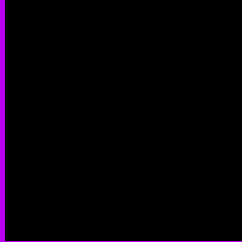
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.7304, 0.2636, 0.1226

Background



This preview shows how black text looks on a background with the Yxy color 16.7304, 0.2636, 0.1226.



This preview shows how white text looks on a background with the Yxy color 16.7304, 0.2636, 0.1226.

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

16.7304, 0.2636, 0.1226

Protanopia

17.3094, 0.1741, 0.1468

Deuteranopia

17.3646, 0.1841, 0.1827



Tritanopia

16.9443, 0.4107, 0.3182

Trichromacy



Original Color

16.7304, 0.2636, 0.1226



Protanomaly

11.7915, 0.1763, 0.1051



Deuteranomaly

11.3231, 0.1820, 0.1174



Tritanomaly

14.3830, 0.3498, 0.2052

Monochromacy



Original Color

16.7304, 0.2636, 0.1226



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

8.4327, 0.2871, 0.1761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7304, 0.2636, 0.1226 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(186, 0, 240)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 240)  
}
```

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(186, 0, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 240) }
```

Border

The CSS property to change the border of an element to Yxy 16.7304, 0.2636, 0.1226 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(186, 0, 240) }
```

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

```
.border{ border-color:rgb(186, 0, 240) }
```

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

Here you see how a box with a 4 pixel rgb(186, 0, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 240);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7304, 0.2636, 0.1226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 240) }
```

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

```
.background{ background-color: rgb(186, 0,  
240) }
```

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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