

Converting Colors

$Yxy(16.7484, 0.2480, 0.1140)$

Have a look what the booklet for
Yxy(16.7484, 0.2480, 0.1140)
contains.

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Color

Yxy(16.7316, 0.2484, 0.1142)

Conversions

Conversions Part 1

Format	Color
Hex	B400FC
RGB	180, 0, 252
RGB Percent	71%, 0%, 99%
CMY	0.2940, 1.0000, 0.0119
CMYK	0.29, 1.00, 0.00, 0.01
HSL	283°, 100%, 49%
HSV	283°, 100%, 99%
XYZ	36.3934, 16.7316, 93.3864
YIQ	82.5480, 26.3880, 116.5320

Conversions

Conversions Part 2

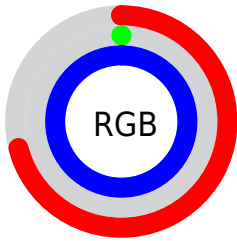
Format	Color
RYB	180, 0, 252
Decimal	11796732
CIELab	47.92, 87.56, -79.82
CIELCh	48, 118.478, 317.649
Yxy	16.7316, 0.2484, 0.1142
Android (android.graphics.Color)	4289986812 (0xFFB400FC)
YUV	82.5480, 83.5398, 85.4654
Hunter-Lab	40.9043, 87.2329, -106.7288

Details

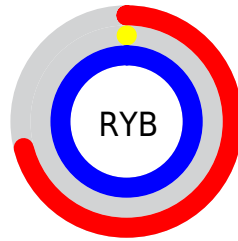
The Yxy color **16.7316, 0.2484, 0.1142** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **70.9815, 0.3118, 0.5906**, and the grayscale version is **8.3796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.7515, 0.3074, 0.1774**, and **7.8170, 0.2259, 0.1018** is the 20% darker color. If you saturate the color by 10%, you get **16.7328, 0.2484, 0.1142**, and if you desaturate by 10%, it is **18.3229, 0.2558, 0.1218**.

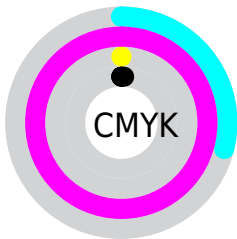
Distribution



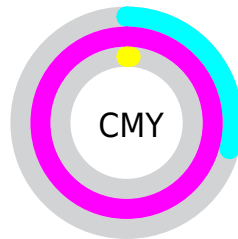
- Red (71%)
- Green (0%)
- Blue (99%)



- Red (71%)
- Yellow (0%)
- Blue (99%)



- Cyan (29%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)





- Cyan (29%)
- Magenta (100%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7316, 0.2484, 0.1142 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 16.7316, 0.2484, 0.1142 by changing the saturation by 10% instead.

 16.7316, 0.2484,
0.1142


 16.7316, 0.2484,
0.1142

233.6209, 0.2887,
0.2094


 10.0433, 0.2369,
0.0955


 37.8637, 0.2644,
0.1452


 5.4277, 0.2217,
0.0746


 53.0764, 0.2700,
0.1579

 2.5003, 0.2015,
0.0519


 71.8992, 0.2747,
0.1691

 0.8768, 0.1740,
0.0289

 94.7167, 0.2785,
0.1791

 0.0000, 0.1382,
0.0000

 121.9132, 0.2817,
0.1880

 0.0000, 0.0894,
0.0000

 153.8732, 0.2844,

 0.0000, 0.0000,

0.1959

0.0000

190.9809, 0.2867,
0.2030

■ 16.7316, 0.2484,
0.1142

■ 16.7316, 0.2484,
0.1142

■ 16.7328, 0.2484,
0.1142

■ 18.3229, 0.2558,
0.1218

■ 20.8660, 0.2635,
0.1339

■ 24.6418, 0.2714,
0.1507

■ 29.8202, 0.2791,
0.1718

■ 36.5442, 0.2865,
0.1963

■ 44.9386, 0.2932,
0.2228

■ 55.1154, 0.2993,
0.2502

■ 67.1767, 0.3045,
0.2775

■ 81.2167, 0.3090,
0.3040

Harmonies

Analogous

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



16.7316, 0.1203, 0.0877



16.7316, 0.2484, 0.1142



16.7316, 0.4735, 0.1740

Triad

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



16.7316, 0.2484, 0.1142



16.7316, 0.5531, 0.4469



16.7316, 0.0523, 0.2678

Complementary

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



16.7316, 0.2484, 0.1142



70.9815, 0.3118, 0.5906

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.



16.7316, 0.1102, 0.5943



16.7316, 0.2484, 0.1142



16.7316, 0.3846, 0.6154

Square

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



16.7316, 0.2484, 0.1142



16.7316, 0.6709, 0.3291



16.7316, 0.2297, 0.7613



16.7316, 0.0446, 0.1310

Rectangle

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



16.7316, 0.2484, 0.1142



16.7316, 0.6207, 0.2251



16.7316, 0.2297, 0.7613



16.7316, 0.0640, 0.3564

Sweetspot

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



16.7328, 0.2484, 0.1142



56.6099, 0.2993, 0.2502



12.1397, 0.1602, 0.0966



11.1236, 0.2968, 0.2385



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.



16.7328, 0.2484, 0.1142



17.1875, 0.2484, 0.1142



24.9353, 0.3803, 0.1869



17.2610, 0.3092, 0.3053



8.7968, 0.2496, 0.1149



0.8685, 0.2584, 0.1197

Inverse Universe

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



21.1582, 0.5859, 0.3001



21.7386, 0.5861, 0.3002



69.8393, 0.2951, 0.5825



17.3067, 0.3249, 0.3222



11.0457, 0.5817, 0.2978



1.0404, 0.5481, 0.2793

Previews

White Background



This preview shows how the Yxy color 16.7316, 0.2484, 0.1142 looks on a white background.

Color Contrast Check

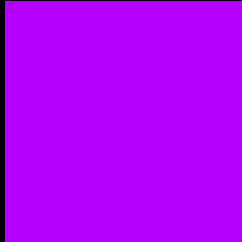
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7316, 0.2484, 0.1142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

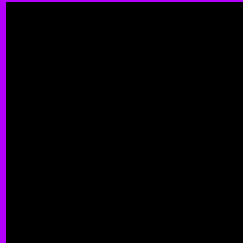
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7316, 0.2484, 0.1142

Background



This preview shows how black text looks on a background with the Yxy color 16.7316, 0.2484, 0.1142.



This preview shows how white text looks on a background with the Yxy color 16.7316, 0.2484, 0.1142.

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

16.7316, 0.2484, 0.1142

Protanopia

17.3094, 0.1741, 0.1468

Deuteranopia

17.2687, 0.1847, 0.1848



Tritanopia

17.0322, 0.3873, 0.3176

Trichromacy



Original Color

16.7316, 0.2484, 0.1142



Protanomaly

11.9812, 0.1740, 0.1026



Deuteranomaly

11.3764, 0.1796, 0.1152



Tritanomaly

14.0575, 0.3277, 0.1956

Monochromacy



Original Color

16.7316, 0.2484, 0.1142



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

8.4114, 0.2785, 0.1700

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7316, 0.2484, 0.1142 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(180, 0, 252)` looks like.

```
.text, #text, p{  
  color:rgb(180, 0, 252)  
}
```

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(180, 0, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 0, 252) }
```

Border

The CSS property to change the border of an element to Yxy 16.7316, 0.2484, 0.1142 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(180, 0, 252) }
```

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

```
.border{ border-color:rgb(180, 0, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 0, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 0, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 0, 252);  
box-shadow:4px 4px 4px 4px rgb(180, 0,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7316, 0.2484, 0.1142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 0, 252) }
```

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

```
.background{ background-color: rgb(180, 0,  
252) }
```

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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