

Converting Colors

$Yxy(16.7404, 0.3005, 0.1576)$

Have a look what the booklet for
Yxy(16.7404, 0.3005, 0.1576)
contains.

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Color

Yxy(16.7364, 0.3009, 0.1578)

Conversions

Conversions Part 1

Format	Color
Hex	BA2FCA
RGB	186, 47, 202
RGB Percent	73%, 18%, 79%
CMY	0.2708, 0.8152, 0.2079
CMYK	0.08, 0.77, 0.00, 0.21
HSL	294°, 62%, 49%
HSV	294°, 77%, 79%
XYZ	31.9137, 16.7364, 57.4107
YIQ	106.2310, 33.0890, 77.6730

Conversions

Conversions Part 2

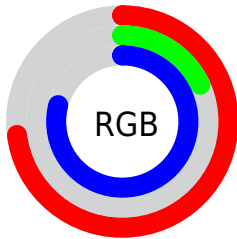
Format	Color
RYB	186, 47, 202
Decimal	12201930
CIELab	47.93, 71.98, -51.36
CIElCh	48, 88.422, 324.492
Yxy	16.7364, 0.3009, 0.1578
Android (android.graphics.Color)	4290392010 (0xFFBA2FCA)
YUV	106.2310, 47.2141, 69.9574
Hunter-Lab	40.9101, 67.6538, -54.5668

Details

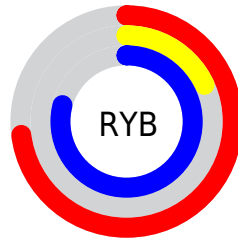
The Yxy color **16.7364, 0.3009, 0.1578** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted purple. A complement of this color would be **43.4980, 0.3075, 0.5646**, and the grayscale version is **14.3546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7501, 0.3108, 0.1907**, and **6.6958, 0.2891, 0.1366** is the 20% darker color. If you saturate the color by 10%, you get **15.2150, 0.2983, 0.1475**, and if you desaturate by 10%, it is **19.0103, 0.3033, 0.1725**.

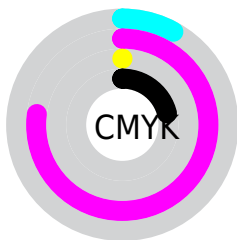
Distribution



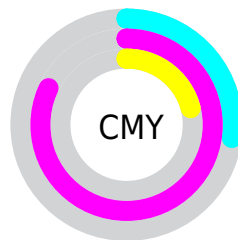
- Red (73%)
- Green (18%)
- Blue (79%)



- Red (73%)
- Yellow (18%)
- Blue (79%)



- Cyan (8%)
- Magenta (77%)
- Yellow (0%)
- Black (21%)




- Cyan (27%)
- Magenta (82%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.7364, 0.3009, 0.1578 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 16.7364, 0.3009, 0.1578 by changing the saturation by 10% instead.


 16.7364, 0.3009,
0.1578


 16.7364, 0.3009,
0.1578

233.6487, 0.3123,
0.2412


 10.0467, 0.2962,
0.1387


 37.8720, 0.3064,
0.1870


 5.4300, 0.2891,
0.1157


 53.0867, 0.3081,
0.1984


 2.5017, 0.2778,
0.0880


 71.9119, 0.3093,
0.2081

 0.8775, 0.2589,
0.0556

 94.7320, 0.3102,
0.2165

 0.0000, 0.2309,
0.0000

 121.9313, 0.3109,
0.2239

 0.0000, 0.1540,
0.0000

153.8942, 0.3115,

 0.0000, 0.0000,

0.2304

0.0000

191.0053, 0.3119,
0.2361

■ 16.7364, 0.3009,
0.1578

■ 16.7364, 0.3009,
0.1578

■ 15.2150, 0.2983,
0.1475

■ 19.0103, 0.3033,
0.1725

■ 14.3247, 0.2957,
0.1414

■ 22.1256, 0.3056,
0.1911

■ 14.0945, 0.2948,
0.1398

■ 26.1614, 0.3075,
0.2129

■ 31.1869, 0.3092,
0.2370

■ 37.2647, 0.3105,
0.2622

■ 44.4521, 0.3116,
0.2877

■ 52.8026, 0.3123,
0.3128

■ 62.3658, 0.3129,
0.3369

■ 73.1887, 0.3132,
0.3595

Harmonies

Analogous

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



16.7364, 0.1724, 0.1247



16.7364, 0.3009, 0.1578



16.7364, 0.4805, 0.2201

Triad

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



16.7364, 0.3009, 0.1578



16.7364, 0.5101, 0.4899



16.7364, 0.0862, 0.2555

Complementary

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



16.7364, 0.3009, 0.1578



43.4980, 0.3075, 0.5646

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.



16.7364, 0.1390, 0.4639



16.7364, 0.3009, 0.1578



16.7364, 0.3803, 0.6141

Square

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



16.7364, 0.3009, 0.1578



16.7364, 0.6031, 0.3800



16.7364, 0.2474, 0.6455



16.7364, 0.0796, 0.1555

Rectangle

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



16.7364, 0.3009, 0.1578



16.7364, 0.5790, 0.2706



16.7364, 0.2474, 0.6455



16.7364, 0.0974, 0.3129

Sweetspot

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



16.7371, 0.3009, 0.1578



66.9843, 0.3109, 0.2708



8.6718, 0.1734, 0.1095



13.4355, 0.3105, 0.2614



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.



16.7371, 0.3009, 0.1578



24.6749, 0.2966, 0.1430



16.5670, 0.4078, 0.2230



11.3425, 0.3122, 0.3060



9.0948, 0.2952, 0.1400



0.4866, 0.3005, 0.1429

Inverse Universe

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



14.9561, 0.5536, 0.3152



21.9616, 0.6135, 0.3211



43.8877, 0.2777, 0.4891



11.2322, 0.3274, 0.3266



8.1210, 0.6268, 0.3226



0.4255, 0.5897, 0.3022

Previews

White Background



This preview shows how the Yxy color 16.7364, 0.3009, 0.1578 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 16.7364, 0.3009, 0.1578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

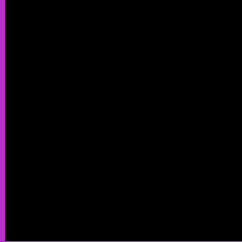
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7364, 0.3009, 0.1578

Background



This preview shows how black text looks on a background with the Yxy color 16.7364, 0.3009, 0.1578.



This preview shows how white text looks on a background with the Yxy color 16.7364, 0.3009, 0.1578.

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

16.7364, 0.3009, 0.1578

Protanopia

17.0924, 0.1737, 0.1454

Deuteranopia

17.0472, 0.2032, 0.1977



Tritanopia

16.6899, 0.4355, 0.3190

Trichromacy



Original Color

16.7364, 0.3009, 0.1578



Protanomaly

13.3193, 0.1843, 0.1293



Deuteranomaly

14.3783, 0.2241, 0.1647



Tritanomaly

15.9513, 0.3835, 0.2442

Monochromacy



Original Color

16.7364, 0.3009, 0.1578



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

13.5710, 0.3086, 0.2320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7364, 0.3009, 0.1578 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, 47, 202)` looks like.

```
.text, #text, p{  
    color:rgb(186, 47, 202)  
}
```

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, 47, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 47, 202) }
```

Border

The CSS property to change the border of an element to Yxy 16.7364, 0.3009, 0.1578 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, 47, 202) }
```

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

```
.border{ border-color:rgb(186, 47, 202) }
```

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

Here you see how a box with a 4 pixel rgb(186, 47, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 47, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 47, 202);  
box-shadow:4px 4px 4px 4px rgb(186, 47,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7364, 0.3009, 0.1578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 47, 202) }
```

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

```
.background{ background-color: rgb(186, 47,  
202) }
```

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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