

Converting Colors

$Y_{xy}(16.9378, 0.2950, 0.1655)$

Have a look what the booklet for
Yxy(16.9378, 0.2950, 0.1655)
contains.

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Color

Yxy(16.9874, 0.2957, 0.1659)

Conversions

Conversions Part 1

Format	Color
Hex	B23EC6
RGB	178, 62, 198
RGB Percent	70%, 24%, 78%
CMY	0.3020, 0.7569, 0.2234
CMYK	0.10, 0.69, 0.00, 0.22
HSL	291°, 54%, 51%
HSV	291°, 69%, 78%
XYZ	30.2783, 16.9874, 55.1297
YIQ	112.1880, 25.4800, 66.8880

Conversions

Conversions Part 2

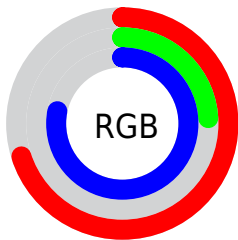
Format	Color
R_{YB}	178, 62, 198
Decimal	11681478
CIE _{Lab}	48.24, 64.57, -48.64
CIE _{LCh}	48, 80.838, 323.008
Yxy	16.9874, 0.2957, 0.1659
Android (android.graphics.Color)	4289871558 (0xFFB23EC6)
YUV	112.1880, 42.3053, 57.7171
Hunter-Lab	41.2158, 59.0038, -50.4545

Details

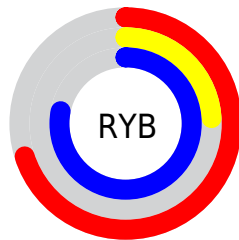
The Yxy color **16.9874, 0.2957, 0.1659** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted purple. A complement of this color would be **42.5468, 0.3125, 0.5415**, and the grayscale version is **16.1288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4182, 0.3026, 0.1951**, and **6.0481, 0.2831, 0.1333** is the 20% darker color. If you saturate the color by 10%, you get **14.8717, 0.2920, 0.1511**, and if you desaturate by 10%, it is **19.8963, 0.2993, 0.1847**.

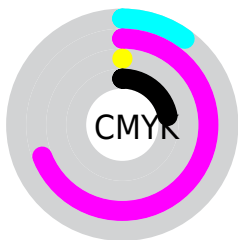
Distribution



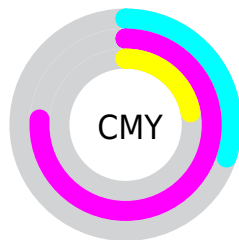
- Red (70%)
- Green (24%)
- Blue (78%)



- Red (70%)
- Yellow (24%)
- Blue (78%)



- Cyan (10%)
- Magenta (69%)
- Yellow (0%)
- Black (22%)



- Cyan (30%)
- Magenta (76%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9874, 0.2957, 0.1659 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 16.9874, 0.2957, 0.1659 by changing the saturation by 10% instead.


 16.9874, 0.2957,
0.1659


 16.9874, 0.2957,
0.1659

235.0998, 0.3094,
0.2465

 10.2255, 0.2905,
0.1471


 38.3041, 0.3020,
0.1944


 5.5487, 0.2828,
0.1240


 53.6277, 0.3039,
0.2054

 2.5727, 0.2707,
0.0959


 72.5740, 0.3054,
0.2148

 0.9130, 0.2507,
0.0623

 95.5274, 0.3066,
0.2229

 0.0000, 0.2216,
0.0000

 122.8723, 0.3075,
0.2299

 0.0000, 0.1245,
0.0000

154.9930, 0.3082,

 0.0000, 0.0000,

0.2361

0.0000

192.2741, 0.3089,
0.2416

■ 16.9874, 0.2957,
0.1659

■ 16.9874, 0.2957,
0.1659

■ 14.8717, 0.2920,
0.1511

■ 19.8963, 0.2993,
0.1847

■ 13.4569, 0.2881,
0.1408

■ 23.6727, 0.3025,
0.2067

■ 12.5974, 0.2843,
0.1344

■ 28.3850, 0.3054,
0.2311

■ 12.4992, 0.2838,
0.1337

■ 34.0938, 0.3079,
0.2566

■ 40.8548, 0.3099,
0.2824

■ 48.7196, 0.3116,
0.3078

■ 57.7362, 0.3129,
0.3321

■ 67.9499, 0.3138,
0.3550

■ 79.4036, 0.3146,
0.3762

Harmonies

Analogous

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



16.9874, 0.1776, 0.1351



16.9874, 0.2957, 0.1659



16.9874, 0.4588, 0.2250

Triad

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



16.9874, 0.2957, 0.1659



16.9874, 0.5105, 0.4837



16.9874, 0.1009, 0.2715

Complementary

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



16.9874, 0.2957, 0.1659



42.5468, 0.3125, 0.5415

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.



16.9874, 0.1573, 0.4621



16.9874, 0.2957, 0.1659



16.9874, 0.3894, 0.5893

Square

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



16.9874, 0.2957, 0.1659



16.9874, 0.5887, 0.3812



16.9874, 0.2644, 0.6170



16.9874, 0.0910, 0.1709

Rectangle

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



16.9874, 0.2957, 0.1659



16.9874, 0.5519, 0.2740



16.9874, 0.2644, 0.6170



16.9874, 0.1136, 0.3261

Sweetspot

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



16.9881, 0.2957, 0.1659



68.9982, 0.3094, 0.2757



11.1977, 0.1875, 0.1378



14.0395, 0.3088, 0.2684



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.



16.9881, 0.2957, 0.1659



25.0461, 0.2902, 0.1459



17.6705, 0.3865, 0.2235



10.7344, 0.3115, 0.3061



8.1546, 0.2843, 0.1340



0.4083, 0.2924, 0.1384

Inverse Universe

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



16.0646, 0.5075, 0.3072



23.7377, 0.5689, 0.3102



42.5451, 0.2805, 0.4777



10.6620, 0.3267, 0.3256



7.8738, 0.6183, 0.3180



0.3812, 0.5684, 0.2905

Previews

White Background



This preview shows how the Yxy color 16.9874, 0.2957, 0.1659 looks on a white background.

Color Contrast Check

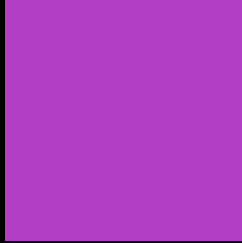
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9874, 0.2957, 0.1659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

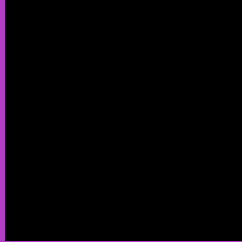
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9874, 0.2957, 0.1659

Background



This preview shows how black text looks on a background with the Yxy color 16.9874, 0.2957, 0.1659.



This preview shows how white text looks on a background with the Yxy color 16.9874, 0.2957, 0.1659.

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

16.9874, 0.2957, 0.1659

Protanopia

17.4250, 0.1737, 0.1454

Deuteranopia

17.3938, 0.2077, 0.2028



Tritanopia

16.9443, 0.4107, 0.3182

Trichromacy



Original Color

16.9874, 0.2957, 0.1659



Protanomaly

14.2264, 0.1848, 0.1363



Deuteranomaly

15.3597, 0.2285, 0.1765



Tritanomaly

16.3582, 0.3666, 0.2494

Monochromacy



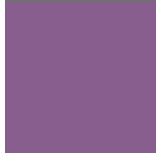
Original Color

16.9874, 0.2957, 0.1659



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

15.2228, 0.3070, 0.2445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9874, 0.2957, 0.1659 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(178, 62, 198)` looks like.

```
.text, #text, p{  
    color:rgb(178, 62, 198)  
}
```

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(178, 62, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 62, 198) }
```

Border

The CSS property to change the border of an element to Yxy 16.9874, 0.2957, 0.1659 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(178, 62, 198) }
```

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

```
.border{ border-color:rgb(178, 62, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 62, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 62, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 62, 198);  
box-shadow:4px 4px 4px 4px rgb(178, 62,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9874, 0.2957, 0.1659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 62, 198) }
```

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

```
.background{ background-color: rgb(178, 62,  
198) }
```

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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