

Converting Colors

$Y_{xy}(17.8653, 0.3105, 0.1876)$

Have a look what the booklet for
Yxy(17.8653, 0.3105, 0.1876)
contains.

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Color

Yxy(17.8653, 0.3105, 0.1876)

Conversions

Conversions Part 1

Format	Color
Hex	B24AB9
RGB	178, 74, 185
RGB Percent	70%, 29%, 73%
CMY	0.3019, 0.7098, 0.2745
CMYK	0.04, 0.60, 0.00, 0.27
HSL	296°, 44%, 51%
HSV	296°, 60%, 73%
XYZ	29.5692, 17.8653, 47.7963
YIQ	117.7500, 26.3530, 56.5690

Conversions

Conversions Part 2

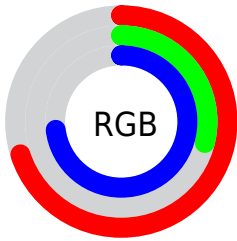
Format	Color
R_{YB}	178, 74, 185
Decimal	11684537
CIE _{Lab}	49.33, 57.19, -39.36
CIE _{LCh}	49, 69.424, 325.465
Yxy	17.8653, 0.3105, 0.1876
Android (android.graphics.Color)	4289874617 (0xFFB24AB9)
YUV	117.7500, 33.1542, 52.8392
Hunter-Lab	42.2674, 50.9061, -37.4586

Details

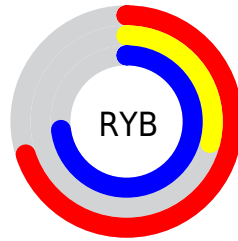
The Yxy color **17.8653, 0.3105, 0.1876** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **36.9469, 0.3079, 0.5176**, and the grayscale version is **17.9225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9442, 0.3126, 0.2136**, and **5.9499, 0.3042, 0.1482** is the 20% darker color. If you saturate the color by 10%, you get **15.6115, 0.3094, 0.1710**, and if you desaturate by 10%, it is **20.8481, 0.3114, 0.2077**.

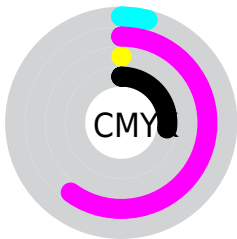
Distribution



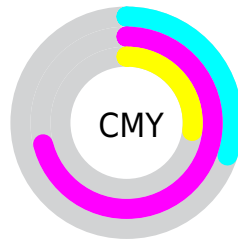
- Red (70%)
- Green (29%)
- Blue (73%)



- Red (70%)
- Yellow (29%)
- Blue (73%)



- Cyan (4%)
- Magenta (60%)
- Yellow (0%)
- Black (27%)





- Cyan (30%)
- Magenta (71%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8653, 0.3105, 0.1876 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 17.8653, 0.3105, 0.1876 by changing the saturation by 10% instead.


 17.8653, 0.3105,
0.1876

 17.8653, 0.3105,
0.1876

240.1107, 0.3150,
0.2592


 10.8533, 0.3080,
0.1701


 39.8077, 0.3131,
0.2135


 5.9683, 0.3040,
0.1481


 55.5068, 0.3138,
0.2233


 2.8258, 0.2970,
0.1200


 74.8705, 0.3142,
0.2316

 1.0415, 0.2839,
0.0844

 98.2832, 0.3145,
0.2387

 0.0000, 0.2688,
0.0000

 126.1291, 0.3147,
0.2449

 0.0000, 0.1494,
0.0000

158.7927, 0.3149,

 0.0000, 0.0000,

0.2502

0.0000

196.6585, 0.3150,
0.2550

■ 17.8653, 0.3105,
0.1876

■ 17.8653, 0.3105,
0.1876

■ 15.6115, 0.3094,
0.1710

■ 20.8481, 0.3114,
0.2077

■ 14.0186, 0.3081,
0.1585

■ 24.6154, 0.3120,
0.2303

■ 13.0098, 0.3067,
0.1503

■ 29.2200, 0.3125,
0.2547

■ 12.4275, 0.3052,
0.1455

■ 34.7095, 0.3127,
0.2798

■ 41.1278, 0.3128,
0.3047

■ 48.5160, 0.3127,
0.3290

■ 56.9127, 0.3125,
0.3520

■ 66.3544, 0.3123,
0.3736

■ 76.8757, 0.3119,
0.3935

Harmonies

Analogous

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



17.8653, 0.2012, 0.1565



17.8653, 0.3105, 0.1876



17.8653, 0.4489, 0.2443

Triad

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



17.8653, 0.3105, 0.1876



17.8653, 0.4866, 0.4832



17.8653, 0.1223, 0.2739

Complementary

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



17.8653, 0.3105, 0.1876



36.9469, 0.3079, 0.5176

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.



17.8653, 0.1739, 0.4264



17.8653, 0.3105, 0.1876



17.8653, 0.3828, 0.5637

Square

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



17.8653, 0.3105, 0.1876



17.8653, 0.5547, 0.3941



17.8653, 0.2701, 0.5615



17.8653, 0.1134, 0.1874

Rectangle

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



17.8653, 0.3105, 0.1876



17.8653, 0.5242, 0.2909



17.8653, 0.2701, 0.5615



17.8653, 0.1341, 0.3185

Sweetspot

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



17.8661, 0.3105, 0.1876



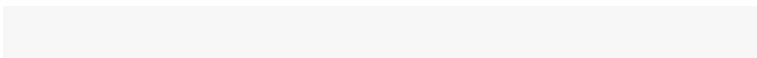
64.0047, 0.3127, 0.2841



10.9018, 0.2002, 0.1500



13.1309, 0.3127, 0.2768



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.8661, 0.3105, 0.1876



26.9298, 0.3090, 0.1666



17.0155, 0.3882, 0.2449



9.1331, 0.3128, 0.3064



8.4726, 0.3054, 0.1456



0.3074, 0.3096, 0.1479

Inverse Universe

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



15.8060, 0.4855, 0.3205



23.0509, 0.5458, 0.3208



37.5668, 0.2765, 0.4383



9.0212, 0.3278, 0.3276



7.0446, 0.6320, 0.3255



0.2515, 0.6012, 0.3086

Previews

White Background



This preview shows how the Yxy color 17.8653, 0.3105, 0.1876 looks on a white background.

Color Contrast Check

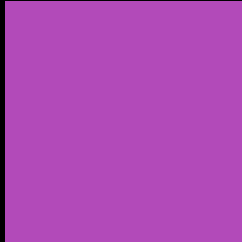
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8653, 0.3105, 0.1876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

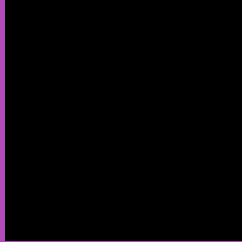
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8653, 0.3105, 0.1876

Background



This preview shows how black text looks on a background with the Yxy color 17.8653, 0.3105, 0.1876.



This preview shows how white text looks on a background with the Yxy color 17.8653, 0.3105, 0.1876.

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

17.8653, 0.3105, 0.1876

Protanopia

18.2384, 0.1896, 0.1647

Deuteranopia

18.1106, 0.2288, 0.2226



Tritanopia

17.8737, 0.4083, 0.3184

Trichromacy



Original Color

17.8653, 0.3105, 0.1876



Protanomaly

16.3519, 0.2142, 0.1633



Deuteranomaly

16.7811, 0.2513, 0.2006



Tritanomaly

17.6089, 0.3721, 0.2640

Monochromacy



Original Color

17.8653, 0.3105, 0.1876



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

17.0312, 0.3132, 0.2609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8653, 0.3105, 0.1876 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, 74, 185)` looks like.

```
.text, #text, p{  
    color:rgb(178, 74, 185)  
}
```

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, 74, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 74, 185) }
```

Border

The CSS property to change the border of an element to Yxy 17.8653, 0.3105, 0.1876 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, 74, 185) }
```

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

```
.border{ border-color:rgb(178, 74, 185) }
```

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

Here you see how a box with a 4 pixel rgb(178, 74, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 74, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 74, 185);  
box-shadow:4px 4px 4px 4px rgb(178, 74,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8653, 0.3105, 0.1876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 74, 185) }
```

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

```
.background{ background-color: rgb(178, 74,  
185) }
```

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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