

Converting Colors

$Y_{xy}(17.8233, 0.3223, 0.2080)$

Have a look what the booklet for
Yxy(17.8233, 0.3223, 0.2080)
contains.

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Color

Yxy(17.8211, 0.3223, 0.2088)

Conversions

Conversions Part 1

Format	Color
Hex	AD52AA
RGB	173, 82, 170
RGB Percent	68%, 32%, 67%
CMY	0.3215, 0.6784, 0.3333
CMYK	0.00, 0.53, 0.02, 0.32
HSL	302°, 36%, 50%
HSV	302°, 53%, 68%
XYZ	27.5083, 17.8211, 40.0207
YIQ	119.2410, 25.9880, 46.6600

Conversions

Conversions Part 2

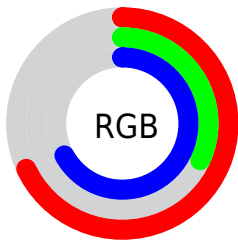
Format	Color
R _Y B	173, 82, 170
Decimal	11358890
CIE Lab	49.28, 49.36, -30.72
CIE LCh	49, 58.138, 328.108
Yxy	17.8211, 0.3223, 0.2088
Android (android.graphics.Color)	4289548970 (0xFFAD52AA)
YUV	119.2410, 25.0242, 47.1466
Hunter-Lab	42.2150, 42.4386, -26.6575

Details

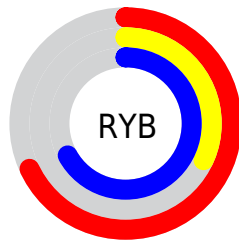
The Yxy color **17.8211, 0.3223, 0.2088** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **32.3412, 0.3032, 0.4886**, and the grayscale version is **18.4413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6419, 0.3211, 0.2313**, and **5.9198, 0.3221, 0.1722** is the 20% darker color. If you saturate the color by 10%, you get **15.5120, 0.3241, 0.1911**, and if you desaturate by 10%, it is **20.7897, 0.3204, 0.2294**.

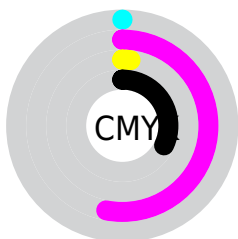
Distribution



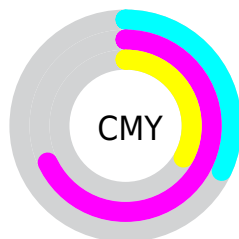
- Red (68%)
- Green (32%)
- Blue (67%)



- Red (68%)
- Yellow (32%)
- Blue (67%)



- Cyan (0%)
- Magenta (53%)
- Yellow (2%)
- Black (32%)





- Cyan (32%)
- Magenta (68%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8211, 0.3223, 0.2088 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 17.8211, 0.3223, 0.2088 by changing the saturation by 10% instead.


 17.8211, 0.3223,
0.2088


 17.8211, 0.3223,
0.2088


239.8607, 0.3193,
0.2714


 10.8216, 0.3222,
0.1927


 39.7322, 0.3218,
0.2320

 5.9470, 0.3215,
0.1720


 55.4127, 0.3214,
0.2406


 2.8129, 0.3192,
0.1445


 74.7556, 0.3210,
0.2478

 1.0348, 0.3132,
0.1074

 98.1454, 0.3206,
0.2539

 0.0000, 0.3151,
0.0000

 125.9664, 0.3203,
0.2592

 0.0000, 0.0825,
0.0000

158.6030, 0.3199,

 0.0000, 0.0000,

0.2638

0.0000

196.4397, 0.3196,
0.2678

■ 17.8211, 0.3223,
0.2088

■ 17.8211, 0.3223,
0.2088

■ 15.5120, 0.3241,
0.1911

■ 20.7897, 0.3204,
0.2294

■ 13.8094, 0.3258,
0.1770

■ 24.4606, 0.3185,
0.2520

■ 12.6566, 0.3272,
0.1670

■ 28.8758, 0.3166,
0.2756

■ 11.9846, 0.3285,
0.1612

■ 34.0732, 0.3148,
0.2995

■ 11.6863, 0.3293,
0.1588

■ 40.0883, 0.3131,
0.3230

■ 46.9544, 0.3116,
0.3456

■ 54.7029, 0.3102,
0.3668

■ 63.3636, 0.3089,
0.3866

■ 72.9650, 0.3078,
0.4048

Harmonies

Analogous

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



17.8211, 0.2237, 0.1781



17.8211, 0.3223, 0.2088



17.8211, 0.4376, 0.2621

Triad

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



17.8211, 0.3223, 0.2088



17.8211, 0.4634, 0.4777



17.8211, 0.1439, 0.2768

Complementary

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



17.8211, 0.3223, 0.2088



32.3412, 0.3032, 0.4886

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.



17.8211, 0.1893, 0.3986



17.8211, 0.3223, 0.2088



17.8211, 0.3729, 0.5334

Square

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



17.8211, 0.3223, 0.2088



17.8211, 0.5209, 0.4017



17.8211, 0.2731, 0.5125



17.8211, 0.1368, 0.2035

Rectangle

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



17.8211, 0.3223, 0.2088



17.8211, 0.4975, 0.3056



17.8211, 0.2731, 0.5125



17.8211, 0.1544, 0.3130

Sweetspot

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



17.8219, 0.3223, 0.2088



57.4292, 0.3155, 0.2908



10.9140, 0.2148, 0.1654



12.0785, 0.3158, 0.2861



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



17.8219, 0.3223, 0.2088



27.2548, 0.3244, 0.1887



16.4256, 0.3869, 0.2646



8.1434, 0.3142, 0.3074



8.5858, 0.3292, 0.1587



0.2402, 0.3265, 0.1572

Inverse Universe

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



17.8219, 0.3223, 0.2088



27.2548, 0.3244, 0.1887



33.2707, 0.2741, 0.4073



8.1434, 0.3142, 0.3074



8.5858, 0.3292, 0.1587



0.2402, 0.3265, 0.1572

Previews

White Background



This preview shows how the Yxy color 17.8211, 0.3223, 0.2088 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 17.8211, 0.3223, 0.2088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

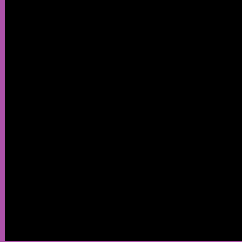
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8211, 0.3223, 0.2088

Background



This preview shows how black text looks on a background with the Yxy color 17.8211, 0.3223, 0.2088.



This preview shows how white text looks on a background with the Yxy color 17.8211, 0.3223, 0.2088.

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

17.8211, 0.3223, 0.2088

Protanopia

18.1777, 0.2117, 0.1935

Deuteranopia

17.9959, 0.2488, 0.2430



Tritanopia

17.7546, 0.4021, 0.3182

Trichromacy



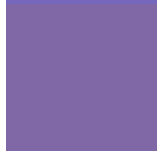
Original Color

17.8211, 0.3223, 0.2088



Protanomaly

17.0443, 0.2403, 0.1938



Deuteranomaly

17.2430, 0.2718, 0.2260



Tritanomaly

17.5641, 0.3717, 0.2727

Monochromacy



Original Color

17.8211, 0.3223, 0.2088



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

17.6320, 0.3166, 0.2738

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8211, 0.3223, 0.2088 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(173, 82, 170)` looks like.

```
.text, #text, p{  
    color:rgb(173, 82, 170)  
}
```

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(173, 82, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 82, 170) }
```

Border

The CSS property to change the border of an element to Yxy 17.8211, 0.3223, 0.2088 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(173, 82, 170) }
```

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

```
.border{ border-color:rgb(173, 82, 170) }
```

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

Here you see how a box with a 4 pixel rgb(173, 82, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 82, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 82, 170);  
box-shadow:4px 4px 4px 4px rgb(173, 82,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8211, 0.3223, 0.2088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 82, 170) }
```

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

```
.background{ background-color: rgb(173, 82,  
170) }
```

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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