

Converting Colors

$Y_{xy}(19.7978, 0.2940, 0.1875)$

Have a look what the booklet for
Yxy(19.7978, 0.2940, 0.1875)
contains.

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Color

Yxy(19.8008, 0.2936, 0.1870)

Conversions

Conversions Part 1

Format	Color
Hex	AF56C5
RGB	175, 86, 197
RGB Percent	69%, 34%, 77%
CMY	0.3136, 0.6628, 0.2275
CMYK	0.11, 0.56, 0.00, 0.23
HSL	288°, 49%, 55%
HSV	288°, 56%, 77%
XYZ	31.0883, 19.8008, 54.9975
YIQ	125.2650, 17.4130, 53.3890

Conversions

Conversions Part 2

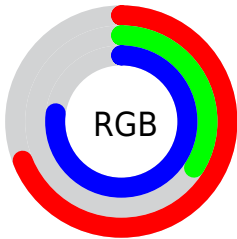
Format	Color
R _Y B	175, 86, 197
Decimal	11491013
CIE _{Lab}	51.61, 53.07, -42.71
CIE _{LCh}	52, 68.122, 321.176
Yxy	19.8008, 0.2936, 0.1870
Android (android.graphics.Color)	4289681093 (0xFFAF56C5)
YUV	125.2650, 35.3654, 43.6176
Hunter-Lab	44.4981, 46.8363, -42.1309

Details

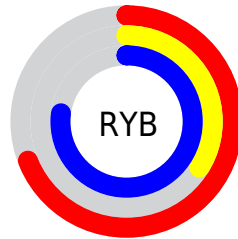
The Yxy color **19.8008, 0.2936, 0.1870** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **43.7821, 0.3183, 0.5010**, and the grayscale version is **20.4761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2356, 0.2998, 0.2130**, and **6.9562, 0.2820, 0.1487** is the 20% darker color. If you saturate the color by 10%, you get **16.6338, 0.2886, 0.1663**, and if you desaturate by 10%, it is **23.8491, 0.2982, 0.2106**.

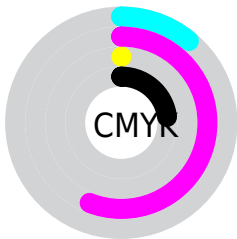
Distribution



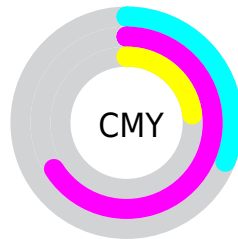
- Red (69%)
- Green (34%)
- Blue (77%)



- Red (69%)
- Yellow (34%)
- Blue (77%)



- Cyan (11%)
- Magenta (56%)
- Yellow (0%)
- Black (23%)





- Cyan (31%)
- Magenta (66%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8008, 0.2936, 0.1870 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 19.8008, 0.2936, 0.1870 by changing the saturation by 10% instead.


 19.8008, 0.2936,
0.1870


 19.8008, 0.2936,
0.1870


250.8347, 0.3071,
0.2579


 12.2503, 0.2889,
0.1700


 43.0830, 0.2995,
0.2124


 6.9144, 0.2820,
0.1488


 59.5834, 0.3014,
0.2221

 3.4086, 0.2714,
0.1221


 79.8360, 0.3029,
0.2303

 1.3486, 0.2541,
0.0884

 104.2251, 0.3041,
0.2373

 0.1784, 0.2292,
0.0251

133.1352, 0.3051,
0.2435

 0.0000, 0.1484,
0.0000

166.9505, 0.3059,

 0.0000, 0.0000,

0.2489

0.0000

206.0556, 0.3066,
0.2536

■ 19.8008, 0.2936,
0.1870

■ 19.8008, 0.2936,
0.1870

■ 16.6338, 0.2886,
0.1663

■ 23.8491, 0.2982,
0.2106

■ 14.2724, 0.2834,
0.1495

■ 28.8410, 0.3023,
0.2360

■ 12.6320, 0.2782,
0.1370

■ 34.8363, 0.3059,
0.2622

■ 11.6031, 0.2730,
0.1291

■ 41.8889, 0.3089,
0.2883

■ 11.3018, 0.2711,
0.1267

■ 50.0488, 0.3114,
0.3136

■ 59.3629, 0.3134,
0.3376

■ 69.8753, 0.3150,
0.3600

■ 81.6279, 0.3162,
0.3807

■ 89.2665, 0.3178,
0.3916

Harmonies

Analogous

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



19.8008, 0.1947, 0.1606



19.8008, 0.2936, 0.1870



19.8008, 0.4240, 0.2391

Triad

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



19.8008, 0.2936, 0.1870



19.8008, 0.4940, 0.4676



19.8008, 0.1341, 0.2951

Complementary

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



19.8008, 0.2936, 0.1870



43.7821, 0.3183, 0.5010

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.



19.8008, 0.1918, 0.4437



19.8008, 0.2936, 0.1870



19.8008, 0.3982, 0.5458

Square

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



19.8008, 0.2936, 0.1870



19.8008, 0.5492, 0.3834



19.8008, 0.2894, 0.5565



19.8008, 0.1194, 0.2022

Rectangle

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



19.8008, 0.2936, 0.1870



19.8008, 0.5009, 0.2837



19.8008, 0.2894, 0.5565



19.8008, 0.1481, 0.3404

Sweetspot

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



19.8016, 0.2936, 0.1870



73.8020, 0.3086, 0.2859



16.7732, 0.2118, 0.1841



15.2191, 0.3080, 0.2806



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.



19.8016, 0.2936, 0.1870



28.5197, 0.2873, 0.1614



21.1910, 0.3607, 0.2315



10.7066, 0.3107, 0.3060



7.4703, 0.2717, 0.1271



0.3815, 0.2826, 0.1330

Inverse Universe

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



19.6035, 0.4464, 0.3012



28.4930, 0.4968, 0.2988



43.2425, 0.2862, 0.4559



10.6707, 0.3259, 0.3245



7.9135, 0.6061, 0.3112



0.3852, 0.5484, 0.2795

Previews

White Background



This preview shows how the Yxy color 19.8008, 0.2936, 0.1870 looks on a white background.

Color Contrast Check

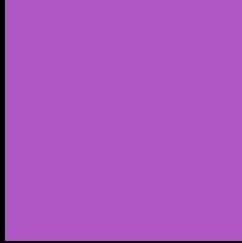
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 19.8008, 0.2936, 0.1870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

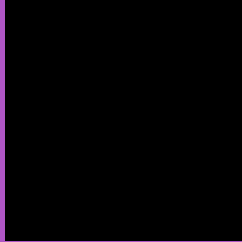
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8008, 0.2936, 0.1870

Background



This preview shows how black text looks on a background with the Yxy color 19.8008, 0.2936, 0.1870.



This preview shows how white text looks on a background with the Yxy color 19.8008, 0.2936, 0.1870.

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

19.8008, 0.2936, 0.1870

Protanopia

20.2834, 0.1927, 0.1686

Deuteranopia

20.0573, 0.2235, 0.2177



Tritanopia

19.8786, 0.3793, 0.3165

Trichromacy



Original Color

19.8008, 0.2936, 0.1870



Protanomaly

18.7990, 0.2154, 0.1699



Deuteranomaly

19.0671, 0.2428, 0.2006



Tritanomaly

19.4835, 0.3466, 0.2616

Monochromacy



Original Color

19.8008, 0.2936, 0.1870



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

19.4429, 0.3059, 0.2632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8008, 0.2936, 0.1870 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(175, 86, 197)` looks like.

```
.text, #text, p{  
    color:rgb(175, 86, 197)  
}
```

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(175, 86, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 86, 197) }
```

Border

The CSS property to change the border of an element to Yxy 19.8008, 0.2936, 0.1870 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(175, 86, 197) }
```

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

```
.border{ border-color:rgb(175, 86, 197) }
```

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

Here you see how a box with a 4 pixel rgb(175, 86, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 86, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 86, 197);  
box-shadow:4px 4px 4px 4px rgb(175, 86,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8008, 0.2936, 0.1870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 86, 197) }
```

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

```
.background{ background-color: rgb(175, 86,  
197) }
```

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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