

Converting Colors

$Y_{xy}(18.8336, 0.2803, 0.1738)$

Have a look what the booklet for
Yxy(18.8336, 0.2803, 0.1738)
contains.

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Color

Yxy(18.9403, 0.2808, 0.1744)

Conversions

Conversions Part 1

Format	Color
Hex	AA52CC
RGB	170, 82, 204
RGB Percent	67%, 32%, 80%
CMY	0.3333, 0.6785, 0.2001
CMYK	0.17, 0.60, 0.00, 0.20
HSL	283°, 54%, 56%
HSV	283°, 60%, 80%
XYZ	30.4956, 18.9403, 59.1667
YIQ	122.2200, 13.2860, 56.5980

Conversions

Conversions Part 2

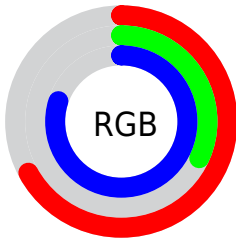
Format	Color
RYB	170, 82, 204
Decimal	11162316
CIELab	50.62, 55.15, -48.35
CIElCh	51, 73.345, 318.762
Yxy	18.9403, 0.2808, 0.1744
Android (android.graphics.Color)	4289352396 (0xFFAA52CC)
YUV	122.2200, 40.3175, 41.9031
Hunter-Lab	43.5205, 48.9176, -50.1413

Details

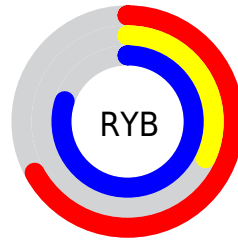
The Yxy color **18.9403, 0.2808, 0.1744** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **47.4989, 0.3247, 0.5088**, and the grayscale version is **19.4005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3223, 0.2948, 0.2070**, and **6.4861, 0.2640, 0.1345** is the 20% darker color. If you saturate the color by 10%, you get **15.6893, 0.2734, 0.1533**, and if you desaturate by 10%, it is **23.1344, 0.2878, 0.1986**.

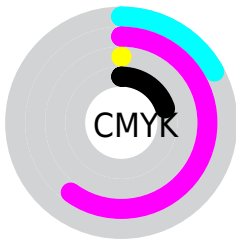
Distribution



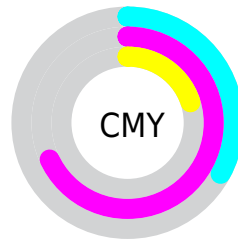
- Red (67%)
- Green (32%)
- Blue (80%)



- Red (67%)
- Yellow (32%)
- Blue (80%)



- Cyan (17%)
- Magenta (60%)
- Yellow (0%)
- Black (20%)





- Cyan (33%)
- Magenta (68%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9403, 0.2808, 0.1744 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 18.9403, 0.2808, 0.1744 by changing the saturation by 10% instead.


 18.9403, 0.2808,
0.1744


 18.9403, 0.2808,
0.1744


246.1190, 0.3017,
0.2508

 11.6271, 0.2740,
0.1565


 41.6332, 0.2896,
0.2015


 6.4903, 0.2645,
0.1344


 57.7817, 0.2925,
0.2119

 3.1455, 0.2503,
0.1072


 77.6442, 0.2948,
0.2208

 1.2081, 0.2283,
0.0740

 101.6049, 0.2967,
0.2285

 0.0683, 0.1979,
0.0087

 130.0484, 0.2983,
0.2351

 0.0000, 0.1100,
0.0000

163.3590, 0.2996,

 0.0000, 0.0000,

0.2410

0.0000

201.9210, 0.3007,
0.2462

■ 18.9403, 0.2808,
0.1744

■ 18.9403, 0.2808,
0.1744

■ 15.6893, 0.2734,
0.1533

■ 23.1344, 0.2878,
0.1986

■ 13.2949, 0.2658,
0.1363

■ 28.3430, 0.2943,
0.2248

■ 11.6585, 0.2583,
0.1240

■ 34.6334, 0.3000,
0.2518

■ 10.5987, 0.2511,
0.1158

■ 42.0662, 0.3050,
0.2788

■ 10.5797, 0.2510,
0.1156

■ 50.6976, 0.3092,
0.3048

■ 60.5799, 0.3128,
0.3295

■ 71.7624, 0.3157,
0.3524

■ 84.2915, 0.3180,
0.3735

■ 91.2727, 0.3208,
0.3827

Harmonies

Analogous

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



18.9403, 0.1797, 0.1492



18.9403, 0.2808, 0.1744



18.9403, 0.4218, 0.2269

Triad

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



18.9403, 0.2808, 0.1744



18.9403, 0.5099, 0.4637



18.9403, 0.1247, 0.3011

Complementary

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



18.9403, 0.2808, 0.1744



47.4989, 0.3247, 0.5088

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.



18.9403, 0.1878, 0.4693



18.9403, 0.2808, 0.1744



18.9403, 0.4078, 0.5549

Square

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



18.9403, 0.2808, 0.1744



18.9403, 0.5680, 0.3747



18.9403, 0.2927, 0.5839



18.9403, 0.1077, 0.1969

Rectangle

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



18.9403, 0.2808, 0.1744



18.9403, 0.5090, 0.2726



18.9403, 0.2927, 0.5839



18.9403, 0.1400, 0.3527

Sweetspot

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



18.9411, 0.2808, 0.1744



71.7862, 0.3057, 0.2829



18.7726, 0.2087, 0.1894



14.5255, 0.3044, 0.2751



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.



18.9411, 0.2808, 0.1744



24.5980, 0.2710, 0.1475



22.0658, 0.3513, 0.2159



11.2407, 0.3094, 0.3058



6.7086, 0.2520, 0.1162



0.3828, 0.2660, 0.1239

Inverse Universe

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



20.1293, 0.4441, 0.2878



27.2356, 0.4920, 0.2847



46.0649, 0.2908, 0.4819



11.2642, 0.3247, 0.3226



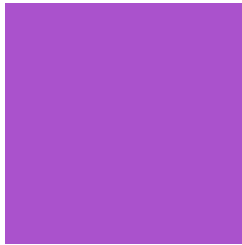
8.2784, 0.5818, 0.2978



0.4402, 0.5246, 0.2664

Previews

White Background



This preview shows how the Yxy color 18.9403, 0.2808, 0.1744 looks on a white background.

Color Contrast Check

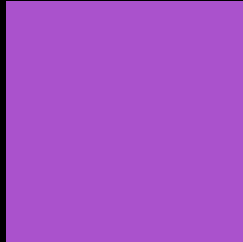
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9403, 0.2808, 0.1744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

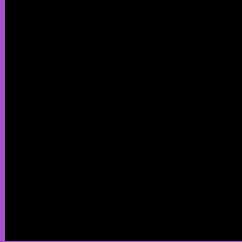
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9403, 0.2808, 0.1744

Background



This preview shows how black text looks on a background with the Yxy color 18.9403, 0.2808, 0.1744.

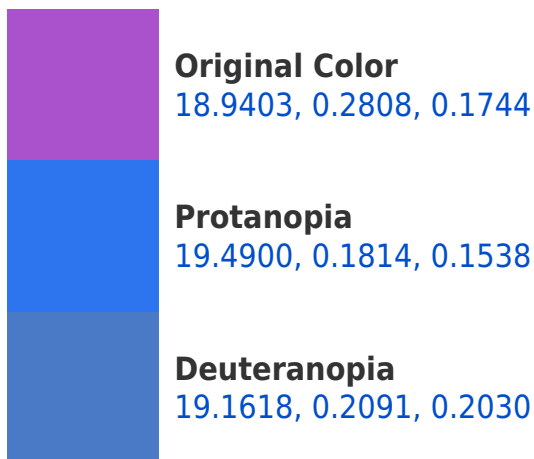


This preview shows how white text looks on a background with the Yxy color 18.9403, 0.2808, 0.1744.

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





Tritanopia

18.9213, 0.3717, 0.3160

Trichromacy



Original Color

18.9403, 0.2808, 0.1744



Protanomaly

17.5653, 0.1998, 0.1533



Deuteranomaly

17.9367, 0.2270, 0.1852



Tritanomaly

18.5233, 0.3363, 0.2539

Monochromacy



Original Color

18.9403, 0.2808, 0.1744



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.2714, 0.2999, 0.2540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9403, 0.2808, 0.1744 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(170, 82, 204)` looks like.

```
.text, #text, p{  
    color:rgb(170, 82, 204)  
}
```

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(170, 82, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 82, 204) }
```

Border

The CSS property to change the border of an element to Yxy 18.9403, 0.2808, 0.1744 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(170, 82, 204) }
```

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

```
.border{ border-color:rgb(170, 82, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 82, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 82, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 82, 204);  
box-shadow:4px 4px 4px 4px rgb(170, 82,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9403, 0.2808, 0.1744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 82, 204) }
```

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

```
.background{ background-color: rgb(170, 82,  
204) }
```

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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