

Converting Colors

$Y_{xy}(19.5888, 0.2962, 0.1766)$

Have a look what the booklet for
Yxy(19.5888, 0.2962, 0.1766)
contains.

Yxy(19.6868, 0.2964, 0.1770)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.6868, 0.2964, 0.1770)

Conversions

Conversions Part 1

Format	Color
Hex	B74DCB
RGB	183, 77, 203
RGB Percent	72%, 30%, 80%
CMY	0.2823, 0.6981, 0.2039
CMYK	0.10, 0.62, 0.00, 0.20
HSL	290°, 55%, 55%
HSV	290°, 62%, 80%
XYZ	32.9670, 19.6868, 58.5710
YIQ	123.0580, 22.7300, 61.6580

Conversions

Conversions Part 2

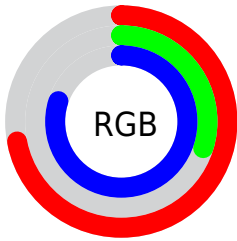
Format	Color
R _Y B	183, 77, 203
Decimal	12013003
CIE Lab	51.48, 60.44, -46.31
CIE LCh	51, 76.139, 322.539
Yxy	19.6868, 0.2964, 0.1770
Android (android.graphics.Color)	4290203083 (0xFFB74DCB)
YUV	123.0580, 39.4114, 52.5691
Hunter-Lab	44.3698, 54.9795, -47.2078

Details

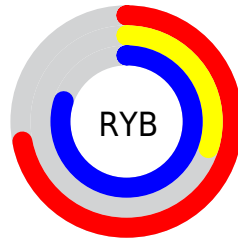
The Yxy color **19.6868, 0.2964, 0.1770** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted purple. A complement of this color would be **45.7940, 0.3146, 0.5215**, and the grayscale version is **19.6881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5998, 0.3069, 0.2078**, and **6.8895, 0.2860, 0.1386** is the 20% darker color. If you saturate the color by 10%, you get **16.8868, 0.2924, 0.1593**, and if you desaturate by 10%, it is **23.3836, 0.3001, 0.1983**.

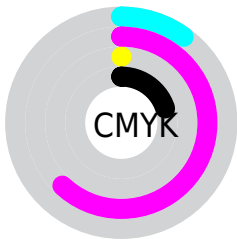
Distribution



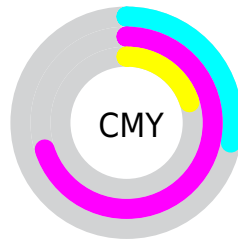
- Red (72%)
- Green (30%)
- Blue (80%)



- Red (72%)
- Yellow (30%)
- Blue (80%)



- Cyan (10%)
- Magenta (62%)
- Yellow (0%)
- Black (20%)





- Cyan (28%)
- Magenta (70%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6868, 0.2964, 0.1770 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 19.6868, 0.2964, 0.1770 by changing the saturation by 10% instead.


 19.6868, 0.2964,
0.1770

 19.6868, 0.2964,
0.1770


250.2145, 0.3089,
0.2516


 12.1676, 0.2918,
0.1595


 42.8915, 0.3020,
0.2034


 6.8579, 0.2851,
0.1380


 59.3457, 0.3038,
0.2136

 3.3734, 0.2748,
0.1114


 79.5470, 0.3052,
0.2223

 1.3296, 0.2579,
0.0788

 103.8799, 0.3063,
0.2298

 0.1640, 0.2336,
0.0201

 132.7287, 0.3071,
0.2363

 0.0000, 0.1701,
0.0000

166.4778, 0.3078,

 0.0000, 0.0000,

0.2420

0.0000

205.5116, 0.3084,
0.2471

■ 19.6868, 0.2964,
0.1770

■ 19.6868, 0.2964,
0.1770

■ 16.8868, 0.2924,
0.1593

■ 23.3836, 0.3001,
0.1983

■ 14.8955, 0.2883,
0.1458

■ 28.0496, 0.3034,
0.2221

■ 13.6111, 0.2841,
0.1367

■ 33.7522, 0.3063,
0.2476

■ 12.9495, 0.2809,
0.1321

■ 40.5525, 0.3088,
0.2735

■ 48.5066, 0.3108,
0.2992

■ 57.6667, 0.3124,
0.3240

■ 68.0820, 0.3137,
0.3474

■ 79.7988, 0.3146,
0.3692

■ 89.8302, 0.3156,
0.3847

Harmonies

Analogous

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



19.6868, 0.1872, 0.1479



19.6868, 0.2964, 0.1770



19.6868, 0.4427, 0.2331

Triad

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



19.6868, 0.2964, 0.1770



19.6868, 0.5009, 0.4767



19.6868, 0.1169, 0.2821

Complementary

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



19.6868, 0.2964, 0.1770



45.7940, 0.3146, 0.5215

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.



19.6868, 0.1738, 0.4504



19.6868, 0.2964, 0.1770



19.6868, 0.3934, 0.5683

Square

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



19.6868, 0.2964, 0.1770



19.6868, 0.5691, 0.3844



19.6868, 0.2763, 0.5848



19.6868, 0.1049, 0.1857

Rectangle

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



19.6868, 0.2964, 0.1770



19.6868, 0.5271, 0.2802



19.6868, 0.2763, 0.5848



19.6868, 0.1301, 0.3318

Sweetspot

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



19.6876, 0.2964, 0.1770



71.4594, 0.3094, 0.2809



14.6221, 0.1996, 0.1603



14.5133, 0.3088, 0.2733



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.



19.6876, 0.2964, 0.1770



27.1704, 0.2912, 0.1549



20.5768, 0.3738, 0.2281



11.3102, 0.3113, 0.3060



8.2727, 0.2814, 0.1324



0.4516, 0.2896, 0.1369

Inverse Universe

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



18.8660, 0.4772, 0.3058



26.0403, 0.5325, 0.3059



45.6273, 0.2826, 0.4648



11.2422, 0.3265, 0.3253



8.1559, 0.6160, 0.3167



0.4301, 0.5669, 0.2897

Previews

White Background



This preview shows how the Yxy color 19.6868, 0.2964, 0.1770 looks on a white background.

Color Contrast Check

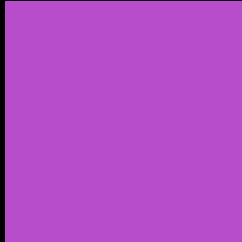
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6868, 0.2964, 0.1770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

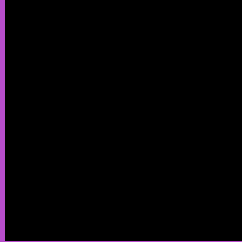
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6868, 0.2964, 0.1770

Background



This preview shows how black text looks on a background with the Yxy color 19.6868, 0.2964, 0.1770.

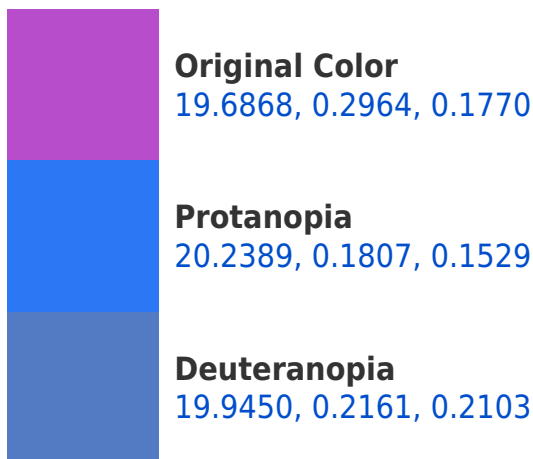


This preview shows how white text looks on a background with the Yxy color 19.6868, 0.2964, 0.1770.

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

19.7063, 0.3979, 0.3185

Trichromacy



Original Color

19.6868, 0.2964, 0.1770



Protanomaly

17.9375, 0.2009, 0.1520



Deuteranomaly

18.3072, 0.2366, 0.1887



Tritanomaly

19.1330, 0.3585, 0.2568

Monochromacy



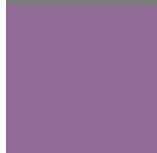
Original Color

19.6868, 0.2964, 0.1770



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

18.5948, 0.3073, 0.2540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6868, 0.2964, 0.1770 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(183, 77, 203)` looks like.

```
.text, #text, p{  
    color:rgb(183, 77, 203)  
}
```

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(183, 77, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 77, 203) }
```

Border

The CSS property to change the border of an element to Yxy 19.6868, 0.2964, 0.1770 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(183, 77, 203) }
```

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

```
.border{ border-color:rgb(183, 77, 203) }
```

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

Here you see how a box with a 4 pixel rgb(183, 77, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 77, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 77, 203);  
box-shadow:4px 4px 4px 4px rgb(183, 77,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6868, 0.2964, 0.1770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 77, 203) }
```

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

```
.background{ background-color: rgb(183, 77,  
203) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor