

Converting Colors

$Y_{xy}(19.8083, 0.2701, 0.1705)$

Have a look what the booklet for
Yxy(19.8083, 0.2701, 0.1705)
contains.

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Color

Yxy(19.8360, 0.2696, 0.1705)

Conversions

Conversions Part 1

Format	Color
Hex	A757D5
RGB	167, 87, 213
RGB Percent	65%, 34%, 84%
CMY	0.3449, 0.6590, 0.1646
CMYK	0.22, 0.59, 0.00, 0.16
HSL	278°, 60%, 59%
HSV	278°, 59%, 84%
XYZ	31.3653, 19.8360, 65.1389
YIQ	125.2840, 7.2340, 56.1460

Conversions

Conversions Part 2

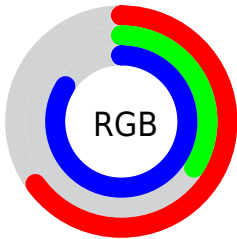
Format	Color
R _Y B	167, 87, 213
Decimal	10966997
CIE Lab	51.65, 53.92, -51.88
CIE LCh	52, 74.827, 316.104
Yxy	19.8360, 0.2696, 0.1705
Android (android.graphics.Color)	4289157077 (0xFFA757D5)
YUV	125.2840, 43.2440, 36.5849
Hunter-Lab	44.5376, 47.7665, -55.5387

Details

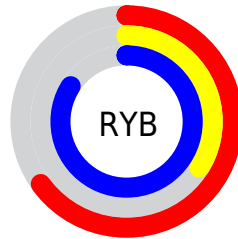
The Yxy color **19.8360, 0.2696, 0.1705** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **53.2659, 0.3322, 0.5031**, and the grayscale version is **20.4569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9837, 0.2923, 0.2098**, and **6.9358, 0.2495, 0.1304** is the 20% darker color. If you saturate the color by 10%, you get **16.0624, 0.2598, 0.1475**, and if you desaturate by 10%, it is **24.6792, 0.2790, 0.1965**.

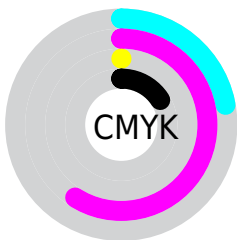
Distribution



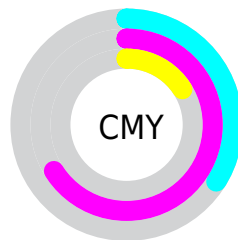
- Red (65%)
- Green (34%)
- Blue (84%)



- Red (65%)
- Yellow (34%)
- Blue (84%)



- Cyan (22%)
- Magenta (59%)
- Yellow (0%)
- Black (16%)



- Cyan (34%)
- Magenta (66%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8360, 0.2696, 0.1705 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 19.8360, 0.2696, 0.1705 by changing the saturation by 10% instead.


 19.8360, 0.2696,
0.1705


 19.8360, 0.2696,
0.1705

251.0259, 0.2963,
0.2479


 12.2759, 0.2615,
0.1526


 43.1421, 0.2804,
0.1977


 6.9319, 0.2503,
0.1309


 59.6568, 0.2842,
0.2082

 3.4195, 0.2344,
0.1043


 79.9252, 0.2872,
0.2173

 1.3545, 0.2106,
0.0723

 104.3316, 0.2897,
0.2251

 0.1828, 0.1769,
0.0194

133.2605, 0.2917,
0.2319

 0.0000, 0.1045,
0.0000

167.0963, 0.2935,

 0.0000, 0.0000,

0.2379

0.0000

206.2233, 0.2950,
0.2432

■ 19.8360, 0.2696,
0.1705

■ 19.8360, 0.2696,
0.1705

■ 16.0624, 0.2598,
0.1475

■ 24.6792, 0.2790,
0.1965

■ 13.2626, 0.2498,
0.1285

■ 30.6718, 0.2877,
0.2241

■ 11.3274, 0.2402,
0.1144

■ 37.8885, 0.2955,
0.2522

■ 10.0765, 0.2311,
0.1050

■ 46.3969, 0.3023,
0.2798

■ 9.9851, 0.2303,
0.1043

■ 56.2594, 0.3082,
0.3062

■ 67.5347, 0.3131,
0.3310

■ 80.2775, 0.3172,
0.3538

■ 93.0147, 0.3208,
0.3723

■ 94.3225, 0.3258,
0.3716

Harmonies

Analogous

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



19.8360, 0.1727, 0.1478



19.8360, 0.2696, 0.1705



19.8360, 0.4093, 0.2209

Triad

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



19.8360, 0.2696, 0.1705



19.8360, 0.5179, 0.4554



19.8360, 0.1276, 0.3139

Complementary

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



19.8360, 0.2696, 0.1705



53.2659, 0.3322, 0.5031

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.



19.8360, 0.1952, 0.4851



19.8360, 0.2696, 0.1705



19.8360, 0.4178, 0.5485

Square

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



19.8360, 0.2696, 0.1705



19.8360, 0.5705, 0.3673



19.8360, 0.3026, 0.5879



19.8360, 0.1071, 0.2027

Rectangle

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



19.8360, 0.2696, 0.1705



19.8360, 0.4998, 0.2659



19.8360, 0.3026, 0.5879



19.8360, 0.1444, 0.3677

Sweetspot

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



19.8368, 0.2696, 0.1705



71.0930, 0.3029, 0.2825



23.6543, 0.2131, 0.2070



14.3554, 0.3010, 0.2745



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.



19.8368, 0.2696, 0.1705



22.9281, 0.2572, 0.1422



24.9542, 0.3380, 0.2066



12.3958, 0.3080, 0.3056



6.1577, 0.2316, 0.1050



0.4175, 0.2471, 0.1135

Inverse Universe

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



22.6503, 0.4256, 0.2748



28.0432, 0.4650, 0.2693



50.6173, 0.2961, 0.4960



12.4949, 0.3234, 0.3205



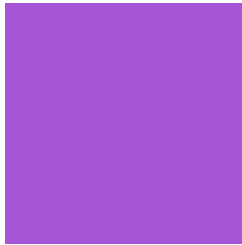
8.9921, 0.5506, 0.2807



0.5580, 0.5029, 0.2544

Previews

White Background



This preview shows how the Yxy color 19.8360, 0.2696, 0.1705 looks on a white background.

Color Contrast Check

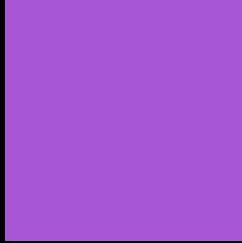
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8360, 0.2696, 0.1705 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 19.8360, 0.2696, 0.1705

Background



This preview shows how black text looks on a background with the Yxy color 19.8360, 0.2696, 0.1705.



This preview shows how white text looks on a background with the Yxy color 19.8360, 0.2696, 0.1705.

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

19.8360, 0.2696, 0.1705

Protanopia

20.2986, 0.1796, 0.1512

Deuteranopia

20.1005, 0.2032, 0.1970



Tritanopia

19.6442, 0.3548, 0.3141

Trichromacy



Original Color

19.8360, 0.2696, 0.1705



Protanomaly

18.4343, 0.1955, 0.1505



Deuteranomaly

18.9154, 0.2190, 0.1809



Tritanomaly

19.2017, 0.3203, 0.2501

Monochromacy



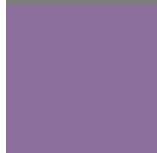
Original Color

19.8360, 0.2696, 0.1705



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

19.3786, 0.2956, 0.2536

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8360, 0.2696, 0.1705 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(167, 87, 213)` looks like.

```
.text, #text, p{  
    color:rgb(167, 87, 213)  
}
```

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(167, 87, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 87, 213) }
```

Border

The CSS property to change the border of an element to Yxy 19.8360, 0.2696, 0.1705 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(167, 87, 213) }
```

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

```
.border{ border-color:rgb(167, 87, 213) }
```

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

Here you see how a box with a 4 pixel rgb(167, 87, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 87, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 87, 213);  
box-shadow:4px 4px 4px 4px rgb(167, 87,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8360, 0.2696, 0.1705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 87, 213) }
```

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

```
.background{ background-color: rgb(167, 87,  
213) }
```

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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