

Converting Colors

$Y_{xy}(26.8815, 0.3002, 0.2538)$

Have a look what the booklet for
Yxy(26.8815, 0.3002, 0.2538)
contains.

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Color

Yxy(26.8815, 0.3002, 0.2538)

Conversions

Conversions Part 1

Format	Color
Hex	A680B5
RGB	166, 128, 181
RGB Percent	65%, 50%, 71%
CMY	0.3488, 0.4981, 0.2901
CMYK	0.08, 0.29, 0.00, 0.29
HSL	283°, 26%, 61%
HSV	283°, 29%, 71%
XYZ	31.7960, 26.8815, 47.2386
YIQ	145.4040, 5.6350, 24.5390

Conversions

Conversions Part 2

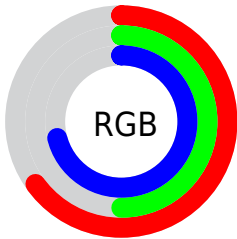
Format	Color
RYB	166, 128, 181
Decimal	10911925
CIELab	58.86, 24.40, -22.33
CIELCh	59, 33.077, 317.541
Yxy	26.8815, 0.3002, 0.2538
Android (android.graphics.Color)	4289102005 (0xFFA680B5)
YUV	145.4040, 17.5488, 18.0627
Hunter-Lab	51.8474, 18.7343, -17.7264

Details

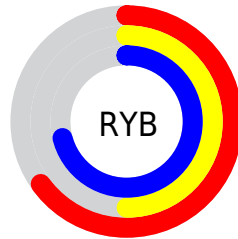
The Yxy color **26.8815, 0.3002, 0.2538** is a light color, and the websafe version is hex **996699**. A complement of this color would be **40.4472, 0.3215, 0.4097**, and the grayscale version is **28.4159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6918, 0.3035, 0.2680**, and **10.5180, 0.2939, 0.2302** is the 20% darker color. If you saturate the color by 10%, you get **22.0341, 0.2945, 0.2269**, and if you desaturate by 10%, it is **32.5954, 0.3052, 0.2805**.

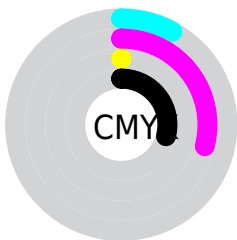
Distribution



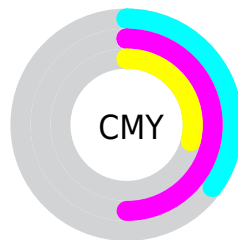
- Red (65%)
- Green (50%)
- Blue (71%)



- Red (65%)
- Yellow (50%)
- Blue (71%)



- Cyan (8%)
- Magenta (29%)
- Yellow (0%)
- Black (29%)





- Cyan (35%)
- Magenta (50%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.8815, 0.3002, 0.2538 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 26.8815, 0.3002, 0.2538 by changing the saturation by 10% instead.


 26.8815, 0.3002,
0.2538

 26.8815, 0.3002,
0.2538


287.0829, 0.3077,
0.2926


 17.4842, 0.2979,
0.2438


 54.6937, 0.3033,
0.2681

 10.5803, 0.2946,
0.2308


 73.8773, 0.3043,
0.2734

 5.7854, 0.2896,
0.2133


 97.0920, 0.3052,
0.2779

 2.7150, 0.2816,
0.1886

124.7219, 0.3059,
0.2817

 0.9848, 0.2669,
0.1518

157.1516, 0.3064,
0.2850

 0.0000, 0.2408,
0.0000

194.7654, 0.3069,

 0.0000, 0.0000,

0.2878

0.0000

237.9477, 0.3074,
0.2904

■ 26.8815, 0.3002,
0.2538

■ 26.8815, 0.3002,
0.2538

■ 22.0341, 0.2945,
0.2269

■ 32.5954, 0.3052,
0.2805

■ 18.0048, 0.2880,
0.2008

■ 39.2141, 0.3094,
0.3063

■ 14.7455, 0.2810,
0.1765

■ 46.7778, 0.3129,
0.3307

■ 12.2016, 0.2736,
0.1551

■ 55.3231, 0.3158,
0.3533

■ 10.3112, 0.2660,
0.1377

■ 64.8847, 0.3182,
0.3742

■ 9.0016, 0.2585,
0.1248

■ 75.4957, 0.3201,
0.3932

■ 8.1357, 0.2512,
0.1160

■ 87.1874, 0.3215,
0.4104

■ 8.0801, 0.2507,
0.1155

■ 88.1082, 0.3247,
0.4099

■ 88.8550, 0.3280,
0.4090

Harmonies

Analogous

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



26.8815, 0.2516, 0.2416



26.8815, 0.3002, 0.2538



26.8815, 0.3570, 0.2821

Triad

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



26.8815, 0.3002, 0.2538



26.8815, 0.4103, 0.4042



26.8815, 0.2282, 0.3269

Complementary

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



26.8815, 0.3002, 0.2538



40.4472, 0.3215, 0.4097

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.



26.8815, 0.2653, 0.3830



26.8815, 0.3002, 0.2538



26.8815, 0.3705, 0.4283

Square

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



26.8815, 0.3002, 0.2538



26.8815, 0.4236, 0.3646



26.8815, 0.3172, 0.4225



26.8815, 0.2131, 0.2780

Rectangle

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



26.8815, 0.3002, 0.2538



26.8815, 0.3906, 0.3074



26.8815, 0.3172, 0.4225



26.8815, 0.2383, 0.3458

Sweetspot

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



26.8826, 0.3002, 0.2538



70.4081, 0.3095, 0.3067



27.5709, 0.2647, 0.2696



14.8269, 0.3089, 0.3030



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



26.8826, 0.3002, 0.2538



42.5053, 0.2967, 0.2369



28.1427, 0.3282, 0.2717



8.5239, 0.3094, 0.3062



5.6052, 0.2516, 0.1159



0.2040, 0.2718, 0.1271

Inverse Universe

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



27.2395, 0.3585, 0.3077



43.3307, 0.3722, 0.3030



39.5206, 0.3003, 0.3941



8.5434, 0.3244, 0.3226



6.9478, 0.5789, 0.2963



0.2288, 0.4984, 0.2519

Previews

White Background



This preview shows how the Yxy color 26.8815, 0.3002, 0.2538 looks on a white background.

Color Contrast Check

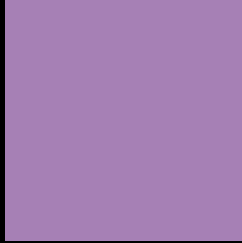
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.8815, 0.3002, 0.2538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

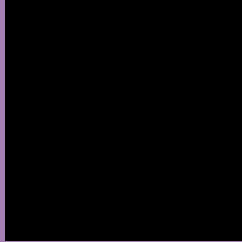
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.8815, 0.3002, 0.2538

Background



This preview shows how black text looks on a background with the Yxy color 26.8815, 0.3002, 0.2538.



This preview shows how white text looks on a background with the Yxy color 26.8815, 0.3002, 0.2538.

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

26.8815, 0.3002, 0.2538

Protanopia

27.0631, 0.2574, 0.2526

Deuteranopia

26.9542, 0.2728, 0.2672



Tritanopia

26.9493, 0.3314, 0.3137

Trichromacy



Original Color

26.8815, 0.3002, 0.2538

Protanomaly

26.9470, 0.2715, 0.2529

Deuteranomaly

26.8263, 0.2820, 0.2615

Tritanomaly

26.7577, 0.3201, 0.2901

Monochromacy



Original Color

26.8815, 0.3002, 0.2538

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.7062, 0.3088, 0.2997

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8815, 0.3002, 0.2538 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(166, 128, 181)` looks like.

```
.text, #text, p{  
    color:rgb(166, 128, 181)  
}
```

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(166, 128, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 128, 181) }
```

Border

The CSS property to change the border of an element to Yxy 26.8815, 0.3002, 0.2538 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(166, 128, 181) }
```

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

```
.border{ border-color:rgb(166, 128, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 128, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 128, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 128, 181);  
box-shadow:4px 4px 4px 4px rgb(166, 128,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8815, 0.3002, 0.2538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 128, 181) }
```

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

```
.background{ background-color: rgb(166,  
128, 181) }
```

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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