

Converting Colors

$Y_{xy}(25.9610, 0.2859, 0.2275)$

Have a look what the booklet for
Yxy(25.9610, 0.2859, 0.2275)
contains.

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Color

Yxy(26.0116, 0.2859, 0.2278)

Conversions

Conversions Part 1

Format	Color
Hex	A67AC4
RGB	166, 122, 196
RGB Percent	65%, 48%, 77%
CMY	0.3491, 0.5215, 0.2313
CMYK	0.15, 0.38, 0.00, 0.23
HSL	276°, 39%, 62%
HSV	276°, 38%, 77%
XYZ	32.6458, 26.0116, 55.5287
YIQ	143.5920, 2.4700, 32.3420

Conversions

Conversions Part 2

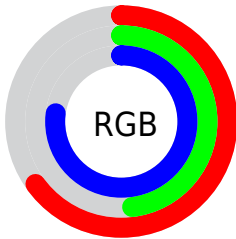
Format	Color
RYB	166, 122, 196
Decimal	10910404
CIELab	58.05, 30.99, -32.12
CIELCh	58, 44.631, 313.971
Yxy	26.0116, 0.2859, 0.2278
Android (android.graphics.Color)	4289100484 (0xFFA67AC4)
YUV	143.5920, 25.8371, 19.6518
Hunter-Lab	51.0016, 25.0041, -28.8518

Details

The Yxy color **26.0116, 0.2859, 0.2278** is a light color, and the websafe version is hex **996699**. A complement of this color would be **47.5685, 0.3308, 0.4345**, and the grayscale version is **27.6114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2814, 0.2920, 0.2463**, and **10.0984, 0.2752, 0.1984** is the 20% darker color. If you saturate the color by 10%, you get **20.8412, 0.2764, 0.1996**, and if you desaturate by 10%, it is **32.2081, 0.2945, 0.2562**.

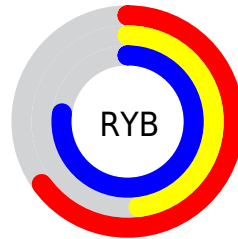
Distribution



Red (65%)

Green (48%)

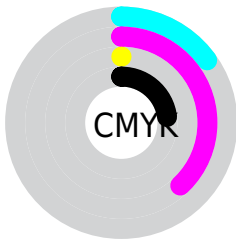
Blue (77%)



Red (65%)

Yellow (48%)

Blue (77%)

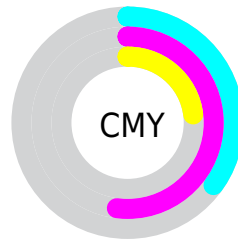


Cyan (15%)

Magenta (38%)

Yellow (0%)

Black (23%)



Cyan (35%)


Magenta (52%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.0116, 0.2859, 0.2278 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 26.0116, 0.2859, 0.2278 by changing the saturation by 10% instead.


 26.0116, 0.2859,
0.2278


 26.0116, 0.2859,
0.2278


282.8390, 0.3016,
0.2790


 16.8323, 0.2812,
0.2151


 53.2937, 0.2921,
0.2464

 10.1150, 0.2748,
0.1988


 72.1652, 0.2943,
0.2534

 5.4753, 0.2656,
0.1775


 95.0363, 0.2961,
0.2593

 2.5287, 0.2512,
0.1488

122.2914, 0.2976,
0.2644

 0.8910, 0.2272,
0.1091

154.3148, 0.2988,
0.2688

 0.0000, 0.1846,
0.0000

191.4910, 0.2999,

 0.0000, 0.0000,

0.2726

0.0000

234.2042, 0.3008,
0.2760

■ 26.0116, 0.2859,
0.2278

■ 26.0116, 0.2859,
0.2278

■ 20.8412, 0.2764,
0.1996

■ 32.2081, 0.2945,
0.2562

■ 16.6339, 0.2660,
0.1726

■ 39.4821, 0.3020,
0.2838

■ 13.3249, 0.2552,
0.1483


■ 47.8856, 0.3084,
0.3100


■ 10.8394, 0.2443,
0.1279


■ 57.4659, 0.3139,
0.3343

■ 9.0904, 0.2336,
0.1122

■ 68.2678, 0.3184,
0.3567

 7.9503, 0.2237,
0.1015

 80.3336, 0.3222,
0.3770

 7.7301, 0.2215,
0.0994

 90.9823, 0.3258,
0.3913

 92.2657, 0.3309,
0.3903

 93.6092, 0.3362,
0.3892

Harmonies

Analogous

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



26.0116, 0.2251, 0.2143



26.0116, 0.2859, 0.2278



26.0116, 0.3629, 0.2616

Triad

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



26.0116, 0.2859, 0.2278



26.0116, 0.4467, 0.4195



26.0116, 0.2044, 0.3331

Complementary

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



26.0116, 0.2859, 0.2278



47.5685, 0.3308, 0.4345

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.



26.0116, 0.2548, 0.4133



26.0116, 0.2859, 0.2278



26.0116, 0.3948, 0.4605

Square

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



26.0116, 0.2859, 0.2278



26.0116, 0.4625, 0.3649



26.0116, 0.3245, 0.4638



26.0116, 0.1829, 0.2645

Rectangle

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



26.0116, 0.2859, 0.2278



26.0116, 0.4114, 0.2926



26.0116, 0.3245, 0.4638



26.0116, 0.2182, 0.3603

Sweetspot

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



26.0127, 0.2859, 0.2278



81.2952, 0.3063, 0.3012



30.8560, 0.2512, 0.2641



16.9464, 0.3054, 0.2976



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.



26.0127, 0.2859, 0.2278



39.5212, 0.2784, 0.2053



29.3700, 0.3234, 0.2435



10.0371, 0.3074, 0.3059



5.0178, 0.2228, 0.1001



0.2562, 0.2446, 0.1121

Inverse Universe

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



27.9277, 0.3665, 0.2892



43.6696, 0.3834, 0.2809



45.1851, 0.3034, 0.4328



10.1441, 0.3227, 0.3197



7.9248, 0.5329, 0.2709



0.3561, 0.4745, 0.2387

Previews

White Background



This preview shows how the Yxy color 26.0116, 0.2859, 0.2278 looks on a white background.

Color Contrast Check

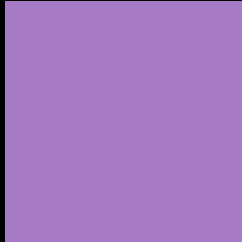
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.0116, 0.2859, 0.2278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

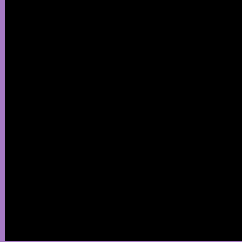
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.0116, 0.2859, 0.2278

Background



This preview shows how black text looks on a background with the Yxy color 26.0116, 0.2859, 0.2278.



This preview shows how white text looks on a background with the Yxy color 26.0116, 0.2859, 0.2278.

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

26.0116, 0.2859, 0.2278

Protanopia

26.0902, 0.2347, 0.2235

Deuteranopia

26.2382, 0.2507, 0.2447



Tritanopia

26.0273, 0.3305, 0.3134

Trichromacy



Original Color

26.0116, 0.2859, 0.2278

Protanomaly

25.9305, 0.2509, 0.2245

Deuteranomaly

25.8865, 0.2626, 0.2374

Tritanomaly

25.8862, 0.3139, 0.2795

Monochromacy



Original Color

26.0116, 0.2859, 0.2278

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

26.9281, 0.3029, 0.2876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.0116, 0.2859, 0.2278 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, 122, 196)` looks like.

```
.text, #text, p{  
    color:rgb(166, 122, 196)  
}
```

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, 122, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 122, 196) }
```

Border

The CSS property to change the border of an element to Yxy 26.0116, 0.2859, 0.2278 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, 122, 196) }
```

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

```
.border{ border-color:rgb(166, 122, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 122, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 122, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 122, 196);  
box-shadow:4px 4px 4px 4px rgb(166, 122,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 26.0116, 0.2859, 0.2278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 122, 196) }
```

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

```
.background{ background-color: rgb(166,  
122, 196) }
```

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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