

Converting Colors

$Y_{xy}(29.8033, 0.2807, 0.2457)$

Have a look what the booklet for
Yxy(29.8033, 0.2807, 0.2457)
contains.

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Color

Yxy(29.8312, 0.2803, 0.2461)

Conversions

Conversions Part 1

Format	Color
Hex	A18AC6
RGB	161, 138, 198
RGB Percent	63%, 54%, 78%
CMY	0.3687, 0.4588, 0.2234
CMYK	0.19, 0.30, 0.00, 0.22
HSL	263°, 34%, 66%
HSV	263°, 30%, 78%
XYZ	33.9768, 29.8312, 57.4078
YIQ	151.7170, -5.5520, 23.5360

Conversions

Conversions Part 2

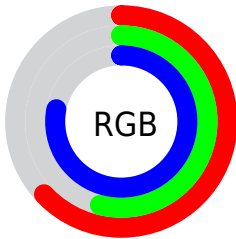
Format	Color
R _Y B	161, 138, 198
Decimal	10586822
CIE Lab	61.51, 20.77, -27.94
CIE LCh	62, 34.811, 306.626
Yxy	29.8312, 0.2803, 0.2461
Android (android.graphics.Color)	4288776902 (0xFFA18AC6)
YUV	151.7170, 22.8175, 8.1412
Hunter-Lab	54.6179, 15.4600, -24.0859

Details

The Yxy color **29.8312, 0.2803, 0.2461** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.3564, 0.3383, 0.4090**, and the grayscale version is **31.1725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5182, 0.2868, 0.2617**, and **12.1812, 0.2681, 0.2221** is the 20% darker color. If you saturate the color by 10%, you get **23.4498, 0.2666, 0.2153**, and if you desaturate by 10%, it is **37.3752, 0.2925, 0.2756**.

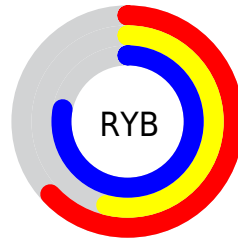
Distribution



Red (63%)

Green (54%)

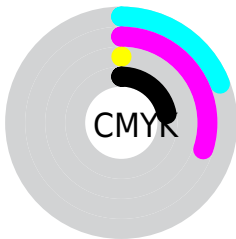
Blue (78%)



Red (63%)

Yellow (54%)

Blue (78%)

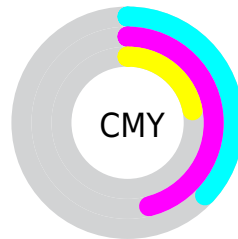


Cyan (19%)

Magenta (30%)

Yellow (0%)

Black (22%)



Cyan (37%)


Magenta (46%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8312, 0.2803, 0.2461 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 29.8312, 0.2803, 0.2461 by changing the saturation by 10% instead.


 29.8312, 0.2803,
0.2461


 29.8312, 0.2803,
0.2461


301.1168, 0.2981,
0.2881

 19.7105, 0.2753,
0.2356


 59.3951, 0.2872,
0.2614

 12.1848, 0.2687,
0.2221


 79.6071, 0.2896,
0.2672

 6.8696, 0.2594,
0.2042


 103.9517, 0.2917,
0.2720

 3.3807, 0.2455,
0.1798

132.8133, 0.2934,
0.2761

 1.3336, 0.2232,
0.1447

166.5761, 0.2948,
0.2797

 0.1670, 0.1899,
0.0476

205.6248, 0.2961,

 0.0000, 0.0000,

0.2829

0.0000

250.3435, 0.2972,
0.2856

■ 29.8312, 0.2803,
0.2461

■ 29.8312, 0.2803,
0.2461

■ 23.4498, 0.2666,
0.2153

■ 37.3752, 0.2925,
0.2756

■ 18.1674, 0.2518,
0.1842

■ 46.1336, 0.3032,
0.3031

■ 13.9199, 0.2362,
0.1543


■ 56.1596, 0.3125,
0.3283


■ 10.6347, 0.2206,
0.1272


■ 67.5018, 0.3203,
0.3510

■ 8.2292, 0.2057,
0.1047


■ 80.2065, 0.3270,
0.3712

 6.6064, 0.1923,
0.0881

 93.1469, 0.3328,
0.3876

 5.6048, 0.1812,
0.0772

 95.2923, 0.3409,
0.3860

 96.8584, 0.3466,
0.3850

Harmonies

Analogous

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



29.8312, 0.2370, 0.2406



29.8312, 0.2803, 0.2461



29.8312, 0.3367, 0.2694

Triad

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



29.8312, 0.2803, 0.2461



29.8312, 0.4204, 0.3917



29.8312, 0.2382, 0.3478

Complementary

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



29.8312, 0.2803, 0.2461



51.3564, 0.3383, 0.4090

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.



29.8312, 0.2826, 0.4019



29.8312, 0.2803, 0.2461



29.8312, 0.3884, 0.4237

Square

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



29.8312, 0.2803, 0.2461



29.8312, 0.4221, 0.3490



29.8312, 0.3375, 0.4305



29.8312, 0.2144, 0.2932

Rectangle

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



29.8312, 0.2803, 0.2461



29.8312, 0.3741, 0.2925



29.8312, 0.3375, 0.4305



29.8312, 0.2511, 0.3672

Sweetspot

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



29.8324, 0.2803, 0.2461



83.6322, 0.3044, 0.3062



40.5410, 0.2660, 0.2979



17.3725, 0.3029, 0.3023



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.



29.8324, 0.2803, 0.2461



45.5345, 0.2719, 0.2270



33.2086, 0.3083, 0.2526



10.4819, 0.3041, 0.3055



3.6897, 0.1826, 0.0780



0.2162, 0.2069, 0.0913

Inverse Universe

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



33.2870, 0.3392, 0.2813



52.6865, 0.3464, 0.2713



48.3470, 0.3147, 0.4152



10.7452, 0.3195, 0.3148



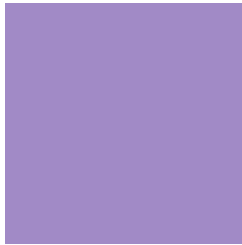
8.7427, 0.4455, 0.2228



0.4278, 0.4129, 0.2048

Previews

White Background



This preview shows how the Yxy color 29.8312, 0.2803, 0.2461 looks on a white background.

Color Contrast Check

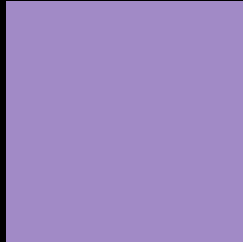
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8312, 0.2803, 0.2461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

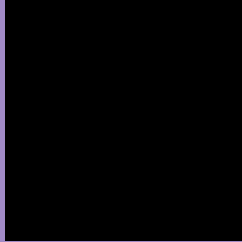
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8312, 0.2803, 0.2461

Background



This preview shows how black text looks on a background with the Yxy color 29.8312, 0.2803, 0.2461.



This preview shows how white text looks on a background with the Yxy color 29.8312, 0.2803, 0.2461.

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

29.8312, 0.2803, 0.2461

Protanopia

30.1005, 0.2508, 0.2450

Deuteranopia

29.8617, 0.2616, 0.2557



Tritanopia

29.8621, 0.3104, 0.3122

Trichromacy



Original Color

29.8312, 0.2803, 0.2461

Protanomaly

29.9616, 0.2611, 0.2461

Deuteranomaly

29.7871, 0.2681, 0.2515

Tritanomaly

29.7916, 0.2995, 0.2862

Monochromacy



Original Color

29.8312, 0.2803, 0.2461

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.7006, 0.3002, 0.2962

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8312, 0.2803, 0.2461 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(161, 138, 198)` looks like.

```
.text, #text, p{  
    color:rgb(161, 138, 198)  
}
```

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(161, 138, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 138, 198) }
```

Border

The CSS property to change the border of an element to Yxy 29.8312, 0.2803, 0.2461 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(161, 138, 198) }
```

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

```
.border{ border-color:rgb(161, 138, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 138, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 138, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 138, 198);  
box-shadow:4px 4px 4px 4px rgb(161, 138,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8312, 0.2803, 0.2461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 138, 198) }
```

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

```
.background{ background-color: rgb(161,  
138, 198) }
```

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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