

Converting Colors

$Y_{xy}(27.9169, 0.2977, 0.2275)$

Have a look what the booklet for
Yxy(27.9169, 0.2977, 0.2275)
contains.

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Color

Yxy(27.9130, 0.2976, 0.2279)

Conversions

Conversions Part 1

Format	Color
Hex	B57AC8
RGB	181, 122, 200
RGB Percent	71%, 48%, 78%
CMY	0.2900, 0.5216, 0.2156
CMYK	0.09, 0.39, 0.00, 0.22
HSL	285°, 42%, 63%
HSV	285°, 39%, 78%
XYZ	36.4498, 27.9130, 58.1164
YIQ	148.5330, 10.1260, 36.7660

Conversions

Conversions Part 2

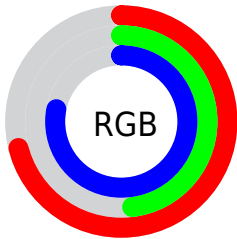
Format	Color
R_{YB}	181, 122, 200
Decimal	11893448
CIE _{Lab}	59.81, 36.50, -31.53
CIE _{LCh}	60, 48.228, 319.178
Yxy	27.9130, 0.2976, 0.2279
Android (android.graphics.Color)	4290083528 (0xFFB57AC8)
YUV	148.5330, 25.3732, 28.4736
Hunter-Lab	52.8328, 30.6914, -28.2364

Details

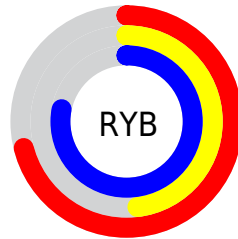
The Yxy color **27.9130, 0.2976, 0.2279** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **48.3759, 0.3212, 0.4422**, and the grayscale version is **29.7383, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0571, 0.3030, 0.2475**, and **11.2221, 0.2904, 0.2005** is the 20% darker color. If you saturate the color by 10%, you get **22.9210, 0.2922, 0.2022**, and if you desaturate by 10%, it is **33.9385, 0.3024, 0.2545**.

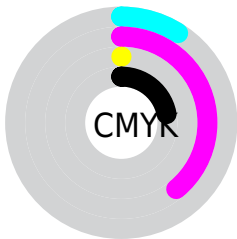
Distribution



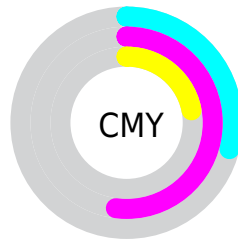
- Red (71%)
- Green (48%)
- Blue (78%)



- Red (71%)
- Yellow (48%)
- Blue (78%)



- Cyan (9%)
- Magenta (39%)
- Yellow (0%)
- Black (22%)





- Cyan (29%)
- Magenta (52%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9130, 0.2976, 0.2279 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 27.9130, 0.2976, 0.2279 by changing the saturation by 10% instead.


 27.9130, 0.2976,
0.2279


 27.9130, 0.2976,
0.2279


292.0510, 0.3071,
0.2782

 18.2601, 0.2946,
0.2156


 56.3455, 0.3015,
0.2461

 11.1369, 0.2904,
0.2000


 75.8939, 0.3028,
0.2529

 6.1590, 0.2842,
0.1797


 99.5096, 0.3039,
0.2587

 2.9420, 0.2743,
0.1527

127.5769, 0.3048,
0.2637

 1.1015, 0.2572,
0.1155

160.4803, 0.3055,
0.2681

 0.0000, 0.2396,
0.0000

198.6042, 0.3061,

 0.0000, 0.0000,

0.2719

0.0000

242.3330, 0.3066,
0.2753

■ 27.9130, 0.2976,
0.2279

■ 27.9130, 0.2976,
0.2279

■ 22.9210, 0.2922,
0.2022

■ 33.9385, 0.3024,
0.2545

■ 18.8964, 0.2862,
0.1784

■ 41.0513, 0.3066,
0.2811

■ 15.7706, 0.2798,
0.1578

■ 49.3057, 0.3101,
0.3069

■ 13.4648, 0.2733,
0.1411


■ 58.7512, 0.3130,
0.3313

■ 11.8858, 0.2667,
0.1290

■ 69.4344, 0.3153,
0.3542

 10.8775, 0.2604,
0.1212

 81.3994, 0.3172,
0.3752

 10.7886, 0.2598,
0.1205

 90.1487, 0.3193,
0.3877

 90.8959, 0.3223,
0.3871

 91.6651, 0.3255,
0.3866

Harmonies

Analogous

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



27.9130, 0.2299, 0.2098



27.9130, 0.2976, 0.2279



27.9130, 0.3796, 0.2661

Triad

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



27.9130, 0.2976, 0.2279



27.9130, 0.4459, 0.4322



27.9130, 0.1929, 0.3184

Complementary

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



27.9130, 0.2976, 0.2279



48.3759, 0.3212, 0.4422

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.



27.9130, 0.2403, 0.4045



27.9130, 0.2976, 0.2279



27.9130, 0.3863, 0.4717

Square

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



27.9130, 0.2976, 0.2279



27.9130, 0.4709, 0.3758



27.9130, 0.3110, 0.4669



27.9130, 0.1761, 0.2512

Rectangle

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



27.9130, 0.2976, 0.2279



27.9130, 0.4283, 0.2997



27.9130, 0.3110, 0.4669



27.9130, 0.2054, 0.3466

Sweetspot

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



27.9142, 0.2976, 0.2279



80.6233, 0.3090, 0.2989



27.5006, 0.2460, 0.2412



16.8448, 0.3086, 0.2955



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.



27.9142, 0.2976, 0.2279



40.7381, 0.2929, 0.2055



29.5108, 0.3378, 0.2551



10.6818, 0.3100, 0.3060



6.9023, 0.2606, 0.1209



0.3589, 0.2738, 0.1282

Inverse Universe

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



28.1163, 0.3850, 0.3042



41.3202, 0.4099, 0.2990



47.3873, 0.2949, 0.4168



10.6785, 0.3252, 0.3234



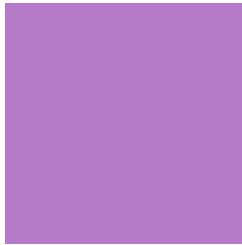
7.9586, 0.5930, 0.3040



0.3887, 0.5320, 0.2705

Previews

White Background



This preview shows how the Yxy color 27.9130, 0.2976, 0.2279 looks on a white background.

Color Contrast Check

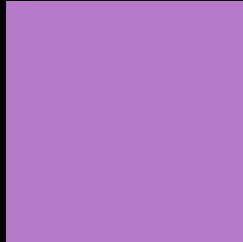
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9130, 0.2976, 0.2279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

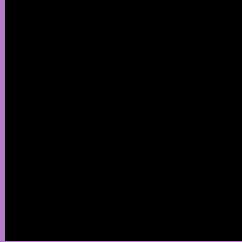
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9130, 0.2976, 0.2279

Background



This preview shows how black text looks on a background with the Yxy color 27.9130, 0.2976, 0.2279.



This preview shows how white text looks on a background with the Yxy color 27.9130, 0.2976, 0.2279.

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

27.9130, 0.2976, 0.2279

Protanopia

28.2258, 0.2341, 0.2227

Deuteranopia

27.9987, 0.2543, 0.2482



Tritanopia

27.9480, 0.3464, 0.3144

Trichromacy



Original Color

27.9130, 0.2976, 0.2279

Protanomaly

27.7319, 0.2539, 0.2239

Deuteranomaly

27.6551, 0.2688, 0.2402

Tritanomaly

27.8757, 0.3283, 0.2809

Monochromacy



Original Color

27.9130, 0.2976, 0.2279

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

28.8695, 0.3074, 0.2863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9130, 0.2976, 0.2279 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(181, 122, 200)` looks like.

```
.text, #text, p{  
    color:rgb(181, 122, 200)  
}
```

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(181, 122, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 122, 200) }
```

Border

The CSS property to change the border of an element to Yxy 27.9130, 0.2976, 0.2279 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(181, 122, 200) }
```

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

```
.border{ border-color:rgb(181, 122, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 122, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 122, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 122, 200);  
box-shadow:4px 4px 4px 4px rgb(181, 122,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9130, 0.2976, 0.2279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 122, 200) }
```

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

```
.background{ background-color: rgb(181,  
122, 200) }
```

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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