

Converting Colors

$Y_{xy}(27.8228, 0.3167, 0.1873)$

Have a look what the booklet for
Yxy(27.8228, 0.3167, 0.1873)
contains.

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Color

Yxy(27.8909, 0.3172, 0.1880)

Conversions

Conversions Part 1

Format	Color
Hex	DE58E0
RGB	222, 88, 224
RGB Percent	87%, 35%, 88%
CMY	0.1295, 0.6547, 0.1217
CMYK	0.01, 0.61, 0.00, 0.12
HSL	299°, 69%, 61%
HSV	299°, 61%, 88%
XYZ	47.0585, 27.8909, 73.4065
YIQ	143.5700, 36.2080, 70.7040

Conversions

Conversions Part 2

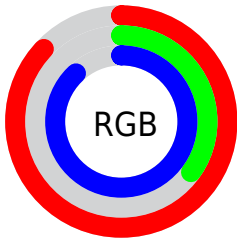
Format	Color
R _{YB}	222, 88, 224
Decimal	14571744
CIE _{Lab}	59.79, 68.87, -44.70
CIE _{LCh}	60, 82.103, 327.016
Y _{xy}	27.8909, 0.3172, 0.1880
Android (android.graphics.Color)	4292761824 (0xFFDE58E0)
YUV	143.5700, 39.6520, 68.7831
Hunter-Lab	52.8118, 66.6334, -45.4426

Details

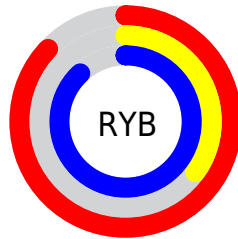
The Yxy color **27.8909, 0.3172, 0.1880** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **56.1798, 0.3045, 0.5242**, and the grayscale version is **27.5412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7308, 0.3177, 0.2230**, and **11.1854, 0.3149, 0.1558** is the 20% darker color. If you saturate the color by 10%, you get **24.7085, 0.3175, 0.1728**, and if you desaturate by 10%, it is **32.2052, 0.3167, 0.2069**.

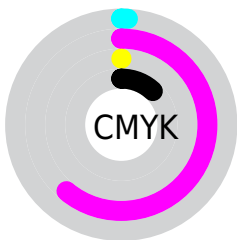
Distribution



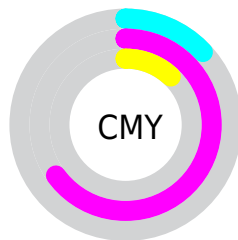
- Red (87%)
- Green (35%)
- Blue (88%)



- Red (87%)
- Yellow (35%)
- Blue (88%)



- Cyan (1%)
- Magenta (61%)
- Yellow (0%)
- Black (12%)





- Cyan (13%)
- Magenta (65%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.8909, 0.3172, 0.1880 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 27.8909, 0.3172, 0.1880 by changing the saturation by 10% instead.

 27.8909, 0.3172,
0.1880


 27.8909, 0.3172,
0.1880


291.9452, 0.3182,
0.2540


 18.2434, 0.3160,
0.1732


 56.3102, 0.3183,
0.2108


 11.1249, 0.3140,
0.1552


 75.8508, 0.3185,
0.2197

 6.1509, 0.3104,
0.1331


 99.4580, 0.3186,
0.2274

 2.9371, 0.3041,
0.1057

 127.5160, 0.3186,
0.2341

 1.0990, 0.2922,
0.0724

160.4094, 0.3185,
0.2400

 0.0000, 0.2783,
0.0000

198.5225, 0.3184,

 0.0000, 0.2143,

0.2452

0.0000

242.2396, 0.3183,
0.2499

■ 0.0000, 0.0000,
0.0000

■ 27.8909, 0.3172,
0.1880

■ 27.8909, 0.3172,
0.1880

■ 24.7085, 0.3175,
0.1728

■ 32.2052, 0.3167,
0.2069

■ 22.5471, 0.3175,
0.1619

■ 37.7413, 0.3161,
0.2289


■ 21.2801, 0.3174,
0.1552

■ 44.5843, 0.3154,
0.2528


■ 20.7009, 0.3172,
0.1521


■ 52.8108, 0.3146,
0.2777

■ 62.4914, 0.3137,
0.3028

 73.6919, 0.3128,
0.3273

 86.4741, 0.3119,
0.3508

 92.8461, 0.3116,
0.3610

 92.8991, 0.3118,
0.3610

Harmonies

Analogous

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



27.8909, 0.2039, 0.1551



27.8909, 0.3172, 0.1880



27.8909, 0.4583, 0.2463

Triad

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



27.8909, 0.3172, 0.1880



27.8909, 0.4834, 0.4891



27.8909, 0.1183, 0.2662

Complementary

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



27.8909, 0.3172, 0.1880



56.1798, 0.3045, 0.5242

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.



27.8909, 0.1675, 0.4193



27.8909, 0.3172, 0.1880



27.8909, 0.3768, 0.5703

Square

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



27.8909, 0.3172, 0.1880



27.8909, 0.5560, 0.3982



27.8909, 0.2629, 0.5627



27.8909, 0.1114, 0.1822

Rectangle

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



27.8909, 0.3172, 0.1880



27.8909, 0.5326, 0.2936



27.8909, 0.2629, 0.5627



27.8909, 0.1293, 0.3102

Sweetspot

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



27.8922, 0.3172, 0.1880



74.0018, 0.3143, 0.2841



14.8223, 0.1955, 0.1369



15.0732, 0.3146, 0.2768



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.



27.8922, 0.3172, 0.1880



32.2005, 0.3175, 0.1693



25.3084, 0.4004, 0.2507



13.9248, 0.3136, 0.3059



12.0572, 0.3173, 0.1521



0.8391, 0.3179, 0.1525

Inverse Universe

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



23.5694, 0.5012, 0.3275



25.9605, 0.5620, 0.3278



57.6997, 0.2726, 0.4310



13.7038, 0.3290, 0.3287



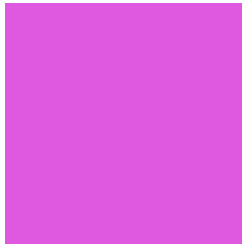
9.2300, 0.6384, 0.3291



0.6409, 0.6336, 0.3264

Previews

White Background



This preview shows how the Yxy color 27.8909, 0.3172, 0.1880 looks on a white background.

Color Contrast Check

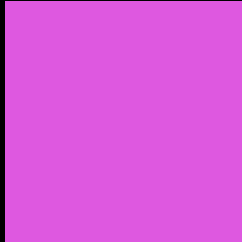
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8909, 0.3172, 0.1880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

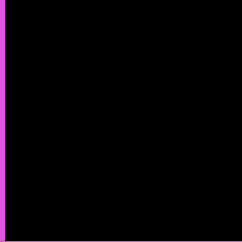
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8909, 0.3172, 0.1880

Background



This preview shows how black text looks on a background with the Yxy color 27.8909, 0.3172, 0.1880.

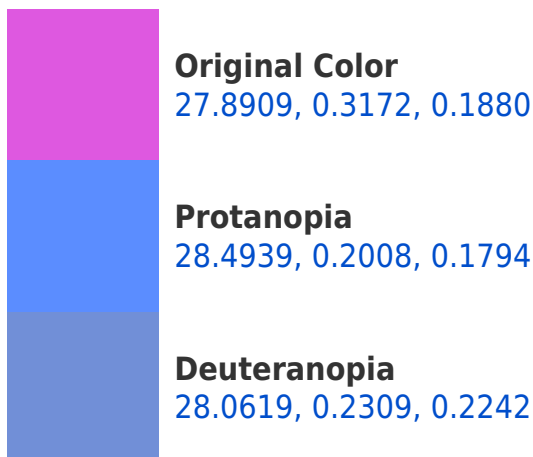


This preview shows how white text looks on a background with the Yxy color 27.8909, 0.3172, 0.1880.

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





Tritanopia

27.6731, 0.4198, 0.3180

Trichromacy



Original Color

27.8909, 0.3172, 0.1880



Protanomaly

25.9397, 0.2282, 0.1745



Deuteranomaly

26.0002, 0.2559, 0.2024



Tritanomaly

27.1774, 0.3803, 0.2629

Monochromacy



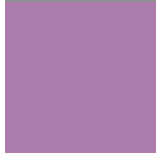
Original Color

27.8909, 0.3172, 0.1880



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

26.2031, 0.3148, 0.2597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8909, 0.3172, 0.1880 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(222, 88, 224)` looks like.

```
.text, #text, p{  
    color:rgb(222, 88, 224)  
}
```

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(222, 88, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 88, 224) }
```

Border

The CSS property to change the border of an element to Yxy 27.8909, 0.3172, 0.1880 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(222, 88, 224) }
```

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

```
.border{ border-color:rgb(222, 88, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 88, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 88, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 88, 224);  
box-shadow:4px 4px 4px 4px rgb(222, 88,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8909, 0.3172, 0.1880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 88, 224) }
```

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

```
.background{ background-color: rgb(222, 88,  
224) }
```

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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