

Converting Colors

$Y_{xy}(28.8664, 0.2923, 0.2435)$

Have a look what the booklet for
Yxy(28.8664, 0.2923, 0.2435)
contains.

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Color

Yxy(28.7856, 0.2931, 0.2435)

Conversions

Conversions Part 1

Format	Color
Hex	AB83C2
RGB	171, 131, 194
RGB Percent	67%, 51%, 76%
CMY	0.3294, 0.4863, 0.2391
CMYK	0.12, 0.32, 0.00, 0.24
HSL	278°, 34%, 64%
HSV	278°, 32%, 76%
XYZ	34.6491, 28.7856, 54.7813
YIQ	150.1420, 3.6170, 28.0730

Conversions

Conversions Part 2

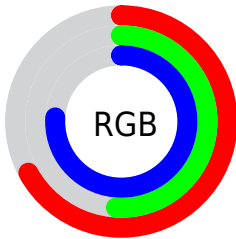
Format	Color
R _Y B	171, 131, 194
Decimal	11240386
CIE Lab	60.59, 27.04, -27.01
CIE LCh	61, 38.224, 315.030
Yxy	28.7856, 0.2931, 0.2435
Android (android.graphics.Color)	4289430466 (0xFFAB83C2)
YUV	150.1420, 21.6220, 18.2925
Hunter-Lab	53.6522, 21.3856, -22.9812

Details

The Yxy color **28.7856, 0.2931, 0.2435** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.1052, 0.3266, 0.4189**, and the grayscale version is **30.4687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5769, 0.2974, 0.2585**, and **11.6299, 0.2856, 0.2193** is the 20% darker color. If you saturate the color by 10%, you get **23.2789, 0.2851, 0.2156**, and if you desaturate by 10%, it is **35.3133, 0.3002, 0.2712**.

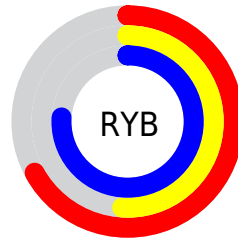
Distribution



Red (67%)

Green (51%)

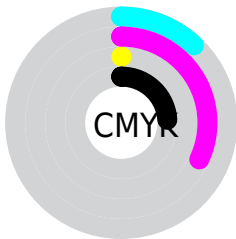
Blue (76%)



Red (67%)

Yellow (51%)

Blue (76%)

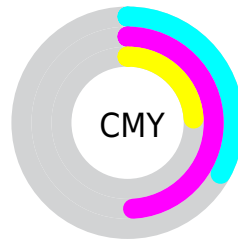


Cyan (12%)

Magenta (32%)

Yellow (0%)

Black (24%)



Cyan (33%)


Magenta (49%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7856, 0.2931, 0.2435 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 28.7856, 0.2931, 0.2435 by changing the saturation by 10% instead.


 28.7856, 0.2931,
0.2435


 28.7856, 0.2931,
0.2435


296.2020, 0.3045,
0.2867

 18.9187, 0.2897,
0.2327


 57.7363, 0.2976,
0.2593

 11.6115, 0.2851,
0.2188


 77.5888, 0.2992,
0.2652

 6.4798, 0.2784,
0.2005


 101.5387, 0.3005,
0.2701

 3.1389, 0.2681,
0.1754

129.9703, 0.3016,
0.2744

 1.2047, 0.2505,
0.1396

163.2681, 0.3025,
0.2781

 0.0655, 0.2308,
0.0209

201.8163, 0.3032,

 0.0000, 0.0000,

0.2813

0.0000

245.9995, 0.3039,
0.2842

■ 28.7856, 0.2931,
0.2435

■ 28.7856, 0.2931,
0.2435

■ 23.2789, 0.2851,
0.2156

■ 35.3133, 0.3002,
0.2712

■ 18.7343, 0.2762,
0.1885

■ 42.9094, 0.3063,
0.2979

■ 15.0924, 0.2666,
0.1633


■ 51.6226, 0.3116,
0.3230

■ 12.2854, 0.2568,
0.1415


■ 61.4974, 0.3159,
0.3464

■ 10.2358, 0.2469,
0.1240

■ 72.5762, 0.3195,
0.3677

 8.8507, 0.2375,
0.1113

 84.8987, 0.3224,
0.3871

 8.1160, 0.2307,
0.1044

 90.7291, 0.3262,
0.3936

 91.8631, 0.3308,
0.3926

 93.0447, 0.3355,
0.3917

Harmonies

Analogous

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



28.7856, 0.2404, 0.2315



28.7856, 0.2931, 0.2435



28.7856, 0.3571, 0.2734

Triad

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



28.7856, 0.2931, 0.2435



28.7856, 0.4246, 0.4089



28.7856, 0.2206, 0.3313

Complementary

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



28.7856, 0.2931, 0.2435



47.1052, 0.3266, 0.4189

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.



28.7856, 0.2634, 0.3955



28.7856, 0.2931, 0.2435



28.7856, 0.3813, 0.4396

Square

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



28.7856, 0.2931, 0.2435



28.7856, 0.4375, 0.3635



28.7856, 0.3221, 0.4379



28.7856, 0.2021, 0.2747

Rectangle

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



28.7856, 0.2931, 0.2435



28.7856, 0.3964, 0.3006



28.7856, 0.3221, 0.4379



28.7856, 0.2324, 0.3531

Sweetspot

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



28.7868, 0.2931, 0.2435



81.2020, 0.3076, 0.3039



31.8692, 0.2597, 0.2698



17.3088, 0.3068, 0.3002



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.



28.7868, 0.2931, 0.2435



44.8372, 0.2874, 0.2235



31.2348, 0.3249, 0.2589



10.0576, 0.3081, 0.3059



5.3825, 0.2318, 0.1051



0.2705, 0.2520, 0.1162

Inverse Universe

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



30.0399, 0.3595, 0.2982



47.6054, 0.3742, 0.2913



45.2948, 0.3026, 0.4110



10.1374, 0.3233, 0.3206



7.8535, 0.5491, 0.2798



0.3526, 0.4874, 0.2458

Previews

White Background



This preview shows how the Yxy color 28.7856, 0.2931, 0.2435 looks on a white background.

Color Contrast Check

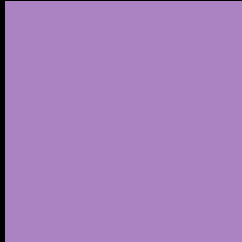
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7856, 0.2931, 0.2435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

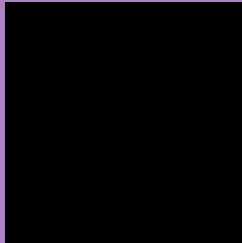
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7856, 0.2931, 0.2435

Background



This preview shows how black text looks on a background with the Yxy color 28.7856, 0.2931, 0.2435.



This preview shows how white text looks on a background with the Yxy color 28.7856, 0.2931, 0.2435.

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

28.7856, 0.2931, 0.2435

Protanopia

28.8953, 0.2485, 0.2412

Deuteranopia

28.9423, 0.2642, 0.2589



Tritanopia

28.8830, 0.3276, 0.3125

Trichromacy



Original Color

28.7856, 0.2931, 0.2435

Protanomaly

28.5647, 0.2635, 0.2416

Deuteranomaly

28.6606, 0.2742, 0.2524

Tritanomaly

28.8968, 0.3148, 0.2855

Monochromacy



Original Color

28.7856, 0.2931, 0.2435

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.6672, 0.3061, 0.2947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7856, 0.2931, 0.2435 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(171, 131, 194)` looks like.

```
.text, #text, p{  
    color:rgb(171, 131, 194)  
}
```

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(171, 131, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 131, 194) }
```

Border

The CSS property to change the border of an element to Yxy 28.7856, 0.2931, 0.2435 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(171, 131, 194) }
```

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

```
.border{ border-color:rgb(171, 131, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 131, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 131, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 131, 194);  
box-shadow:4px 4px 4px 4px rgb(171, 131,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7856, 0.2931, 0.2435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 131, 194) }
```

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

```
.background{ background-color: rgb(171,  
131, 194) }
```

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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