

Converting Colors

$Y_{xy}(28.7789, 0.3414, 0.2906)$

Have a look what the booklet for
Yxy(28.7789, 0.3414, 0.2906)
contains.

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Color

Yxy(28.8031, 0.3415, 0.2901)

Conversions

Conversions Part 1

Format	Color
Hex	B7839F
RGB	183, 131, 159
RGB Percent	72%, 51%, 62%
CMY	0.2823, 0.4863, 0.3764
CMYK	0.00, 0.28, 0.13, 0.28
HSL	328°, 27%, 62%
HSV	328°, 28%, 72%
XYZ	33.9064, 28.8031, 36.5773
YIQ	149.7400, 22.0040, 19.7320

Conversions

Conversions Part 2

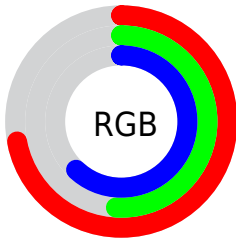
Format	Color
R_{YB}	183, 131, 159
Decimal	12026783
CIE Lab	60.61, 24.41, -6.95
CIE LCh	61, 25.376, 344.105
Yxy	28.8031, 0.3415, 0.2901
Android (android.graphics.Color)	4290216863 (0xFFB7839F)
YUV	149.7400, 4.5652, 29.1690
Hunter-Lab	53.6685, 18.8520, -2.8406

Details

The Yxy color **28.8031, 0.3415, 0.2901** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.0661, 0.2915, 0.3716**, and the grayscale version is **30.3578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6613, 0.3358, 0.2969**, and **11.6347, 0.3501, 0.2770** is the 20% darker color. If you saturate the color by 10%, you get **24.0317, 0.3554, 0.2760**, and if you desaturate by 10%, it is **34.4655, 0.3297, 0.3043**.

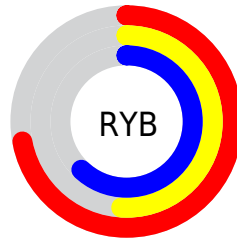
Distribution



Red (72%)

Green (51%)

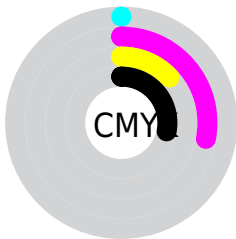
Blue (62%)



Red (72%)

Yellow (51%)

Blue (62%)

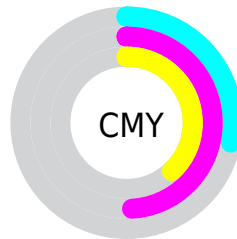


Cyan (0%)

Magenta (28%)

Yellow (13%)

Black (28%)



Cyan (28%)


Magenta (49%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8031, 0.3415, 0.2901 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 28.8031, 0.3415, 0.2901 by changing the saturation by 10% instead.


 28.8031, 0.3415,
0.2901


 28.8031, 0.3415,
0.2901


296.2848, 0.3263,
0.3105

 18.9319, 0.3456,
0.2847


 57.7641, 0.3357,
0.2978

 11.6211, 0.3511,
0.2775


 77.6227, 0.3336,
0.3006

 6.4862, 0.3587,
0.2676


 101.5793, 0.3319,
0.3029

 3.1429, 0.3702,
0.2530

130.0181, 0.3304,
0.3049

 1.2068, 0.3891,
0.2295

163.3237, 0.3292,
0.3066

 0.0672, 0.5130,
0.0523

201.8804, 0.3281,

 0.0000, 0.0000,

0.3081

0.0000

246.0727, 0.3271,
0.3094

■ 28.8031, 0.3415,
0.2901

■ 28.8031, 0.3415,
0.2901

■ 24.0317, 0.3554,
0.2760

■ 34.4655, 0.3297,
0.3043

■ 20.1013, 0.3717,
0.2625

■ 41.0577, 0.3198,
0.3180

■ 16.9628, 0.3901,
0.2506

■ 48.6209, 0.3115,
0.3310

■ 14.5607, 0.4105,
0.2415

■ 57.1928, 0.3047,
0.3432

■ 12.8318, 0.4322,
0.2363

■ 66.8089, 0.2990,
0.3544

■ 11.7024, 0.4544,
0.2360

■ 77.5031, 0.2943,
0.3648

■ 11.0500, 0.4761,
0.2407

■ 86.6585, 0.2902,
0.3700

■ 10.9619, 0.4795,
0.2415

■ 87.1124, 0.2858,
0.3603

■ 87.5892, 0.2815,
0.3508

Harmonies

Analogous

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



28.8031, 0.2991, 0.2691



28.8031, 0.3415, 0.2901



28.8031, 0.3777, 0.3203

Triad

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



28.8031, 0.3415, 0.2901



28.8031, 0.3614, 0.4025



28.8031, 0.2366, 0.2951

Complementary

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



28.8031, 0.3415, 0.2901



41.0661, 0.2915, 0.3716

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.



28.8031, 0.2509, 0.3331



28.8031, 0.3415, 0.2901



28.8031, 0.3219, 0.3994

Square

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



28.8031, 0.3415, 0.2901



28.8031, 0.3889, 0.3844



28.8031, 0.2816, 0.3730



28.8031, 0.2408, 0.2701

Rectangle

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



28.8031, 0.3415, 0.2901



28.8031, 0.3921, 0.3428



28.8031, 0.2816, 0.3730



28.8031, 0.2393, 0.3067

Sweetspot

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



28.8044, 0.3415, 0.2901



72.6056, 0.3204, 0.3170



26.5609, 0.2864, 0.2530



15.6379, 0.3218, 0.3151



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.8044, 0.3415, 0.2901



46.1491, 0.3498, 0.2814



28.0109, 0.3709, 0.3255



9.0909, 0.3206, 0.3168



7.6595, 0.4771, 0.2402



0.2824, 0.4265, 0.2123

Inverse Universe

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



28.8044, 0.3415, 0.2901



46.1491, 0.3498, 0.2814



42.0117, 0.2738, 0.3327



9.0909, 0.3206, 0.3168



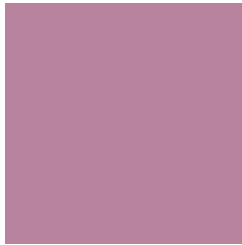
7.6595, 0.4771, 0.2402



0.2824, 0.4265, 0.2123

Previews

White Background



This preview shows how the Yxy color 28.8031, 0.3415, 0.2901 looks on a white background.

Color Contrast Check

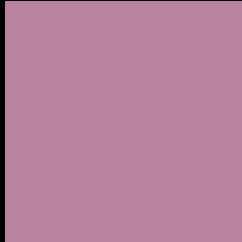
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8031, 0.3415, 0.2901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

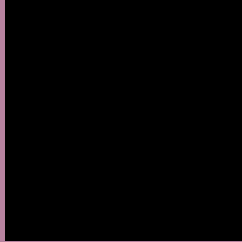
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8031, 0.3415, 0.2901

Background



This preview shows how black text looks on a background with the Yxy color 28.8031, 0.3415, 0.2901.



This preview shows how white text looks on a background with the Yxy color 28.8031, 0.3415, 0.2901.

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

28.8031, 0.3415, 0.2901

Protanopia

28.9176, 0.2894, 0.2934

Deuteranopia

28.8482, 0.3127, 0.3061



Tritanopia

28.8876, 0.3555, 0.3149

Trichromacy



Original Color

28.8031, 0.3415, 0.2901

Protanomaly

28.7419, 0.3071, 0.2916

Deuteranomaly

28.7526, 0.3228, 0.2995

Tritanomaly

28.8901, 0.3512, 0.3065

Monochromacy



Original Color

28.8031, 0.3415, 0.2901

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.6262, 0.3230, 0.3140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8031, 0.3415, 0.2901 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(183, 131, 159)` looks like.

```
.text, #text, p{  
    color:rgb(183, 131, 159)  
}
```

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(183, 131, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 131, 159) }
```

Border

The CSS property to change the border of an element to Yxy 28.8031, 0.3415, 0.2901 is called "border". The border property can be set on classes, ids or directly on the HTML element.

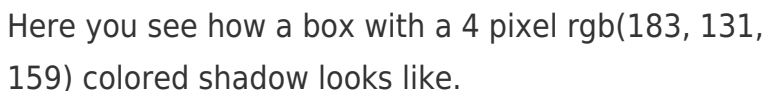
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 131, 159) }
```

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

```
.border{ border-color:rgb(183, 131, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 131, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 131, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 131, 159); box-shadow:4px 4px 4px 4px rgb(183, 131, 159) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8031, 0.3415, 0.2901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 131, 159) }
```

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

```
.background{ background-color: rgb(183,  
131, 159) }
```

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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