

Converting Colors

$Y_{xy}(28.7271, 0.3512, 0.2904)$

Have a look what the booklet for
Yxy(28.7271, 0.3512, 0.2904)
contains.

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Color

Yxy(28.6915, 0.3511, 0.2896)

Conversions

Conversions Part 1

Format	Color
Hex	BD809D
RGB	189, 128, 157
RGB Percent	74%, 50%, 62%
CMY	0.2589, 0.4980, 0.3844
CMYK	0.00, 0.32, 0.17, 0.26
HSL	331°, 32%, 62%
HSV	331°, 32%, 74%
XYZ	34.7845, 28.6915, 35.5969
YIQ	149.5450, 27.0470, 21.9510

Conversions

Conversions Part 2

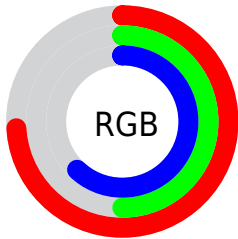
Format	Color
RYB	189, 128, 157
Decimal	12419229
CIELab	60.51, 27.87, -5.87
CIElCh	61, 28.479, 348.111
Yxy	28.6915, 0.3511, 0.2896
Android (android.graphics.Color)	4290609309 (0xFFBD809D)
YUV	149.5450, 3.6753, 34.6020
Hunter-Lab	53.5644, 22.1792, -1.9067

Details

The Yxy color **28.6915, 0.3511, 0.2896** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.5109, 0.2862, 0.3724**, and the grayscale version is **30.2727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3940, 0.3429, 0.2963**, and **11.6403, 0.3644, 0.2769** is the 20% darker color. If you saturate the color by 10%, you get **23.8877, 0.3682, 0.2771**, and if you desaturate by 10%, it is **34.4435, 0.3367, 0.3023**.

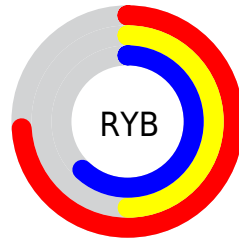
Distribution



Red (74%)

Green (50%)

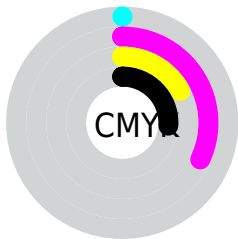
Blue (62%)



Red (74%)

Yellow (50%)

Blue (62%)

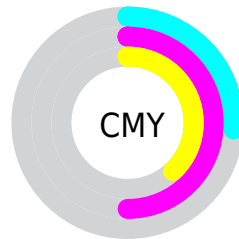


Cyan (0%)

Magenta (32%)

Yellow (17%)

Black (26%)



Cyan (26%)


Magenta (50%)


Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.6915, 0.3511, 0.2896 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 28.6915, 0.3511, 0.2896 by changing the saturation by 10% instead.


 28.6915, 0.3511,
0.2896

 28.6915, 0.3511,
0.2896


295.7566, 0.3307,
0.3103


 18.8476, 0.3567,
0.2841


 57.5866, 0.3433,
0.2974

 11.5602, 0.3641,
0.2768


 77.4065, 0.3405,
0.3002

 6.4450, 0.3745,
0.2666


 101.3206, 0.3382,
0.3026

 3.1175, 0.3902,
0.2517

129.7132, 0.3362,
0.3046

 1.1934, 0.4164,
0.2276

162.9687, 0.3345,
0.3063

 0.0563, 0.5817,
0.0446

201.4715, 0.3331,

 0.0000, 0.0000,

0.3078

0.0000

245.6060, 0.3318,
0.3092

■ 28.6915, 0.3511,
0.2896

■ 28.6915, 0.3511,
0.2896

■ 23.8877, 0.3682,
0.2771

■ 34.4435, 0.3367,
0.3023

■ 19.9763, 0.3880,
0.2656

■ 41.1875, 0.3247,
0.3147

■ 16.9021, 0.4106,
0.2561


■ 48.9692, 0.3147,
0.3264

■ 14.6018, 0.4354,
0.2498


■ 57.8305, 0.3065,
0.3375


■ 13.0028, 0.4614,
0.2478


■ 67.8107, 0.2997,
0.3477

 12.0187, 0.4873,
0.2511

 78.9475, 0.2941,
0.3571

 11.5498, 0.5068,
0.2565

 87.8478, 0.2892,
0.3603

 88.4093, 0.2841,
0.3492

 89.0029, 0.2790,
0.3383

Harmonies

Analogous

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



28.6915, 0.3034, 0.2648



28.6915, 0.3511, 0.2896



28.6915, 0.3899, 0.3238

Triad

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



28.6915, 0.3511, 0.2896



28.6915, 0.3616, 0.4128



28.6915, 0.2274, 0.2859

Complementary

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



28.6915, 0.3511, 0.2896



43.5109, 0.2862, 0.3724

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.



28.6915, 0.2404, 0.3270



28.6915, 0.3511, 0.2896



28.6915, 0.3164, 0.4063

Square

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



28.6915, 0.3511, 0.2896



28.6915, 0.3951, 0.3943



28.6915, 0.2722, 0.3732



28.6915, 0.2348, 0.2607

Rectangle

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



28.6915, 0.3511, 0.2896



28.6915, 0.4038, 0.3488



28.6915, 0.2722, 0.3732



28.6915, 0.2294, 0.2981

Sweetspot

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



28.6928, 0.3511, 0.2896



76.5547, 0.3224, 0.3172



26.5402, 0.2860, 0.2425



16.0620, 0.3239, 0.3155



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



28.6928, 0.3511, 0.2896



44.9020, 0.3634, 0.2804



28.0844, 0.3853, 0.3306



9.6098, 0.3216, 0.3181



7.7891, 0.5038, 0.2549



0.3183, 0.4488, 0.2246

Inverse Universe

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



28.6928, 0.3511, 0.2896



44.9020, 0.3634, 0.2804



44.2101, 0.2671, 0.3274



9.6098, 0.3216, 0.3181



7.7891, 0.5038, 0.2549



0.3183, 0.4488, 0.2246

Previews

White Background



This preview shows how the Yxy color 28.6915, 0.3511, 0.2896 looks on a white background.

Color Contrast Check

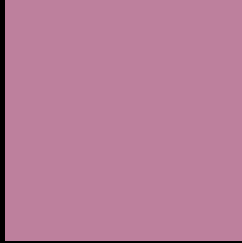
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6915, 0.3511, 0.2896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

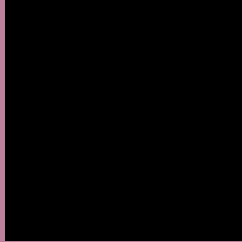
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6915, 0.3511, 0.2896

Background



This preview shows how black text looks on a background with the Yxy color 28.6915, 0.3511, 0.2896.



This preview shows how white text looks on a background with the Yxy color 28.6915, 0.3511, 0.2896.

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

28.6915, 0.3511, 0.2896

Protanopia

28.8287, 0.2884, 0.2933

Deuteranopia

28.8472, 0.3168, 0.3107



Tritanopia

28.7205, 0.3667, 0.3152

Trichromacy



Original Color

28.6915, 0.3511, 0.2896

Protanomaly

28.5165, 0.3092, 0.2916

Deuteranomaly

28.6929, 0.3293, 0.3026

Tritanomaly

28.7632, 0.3611, 0.3056

Monochromacy



Original Color

28.6915, 0.3511, 0.2896

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.5384, 0.3252, 0.3126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6915, 0.3511, 0.2896 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(189, 128, 157)` looks like.

```
.text, #text, p{  
    color:rgb(189, 128, 157)  
}
```

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(189, 128, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 128, 157) }
```

Border

The CSS property to change the border of an element to Yxy 28.6915, 0.3511, 0.2896 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(189, 128, 157) }
```

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

```
.border{ border-color:rgb(189, 128, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 128, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 128, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 128, 157);  
box-shadow:4px 4px 4px 4px rgb(189, 128,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6915, 0.3511, 0.2896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 128, 157) }
```

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

```
.background{ background-color: rgb(189,  
128, 157) }
```

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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