

Converting Colors

$Y_{xy}(28.6138, 0.3301, 0.2879)$

Have a look what the booklet for
Yxy(28.6138, 0.3301, 0.2879)
contains.

Yxy(28.6138, 0.3301, 0.2879)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.6138, 0.3301, 0.2879)

Conversions

Conversions Part 1

Format	Color
Hex	B085A2
RGB	176, 133, 162
RGB Percent	69%, 52%, 64%
CMY	0.3099, 0.4784, 0.3648
CMYK	0.00, 0.24, 0.08, 0.31
HSL	320°, 21%, 61%
HSV	320°, 24%, 69%
XYZ	32.8080, 28.6138, 37.9662
YIQ	149.1630, 16.3190, 18.1350

Conversions

Conversions Part 2

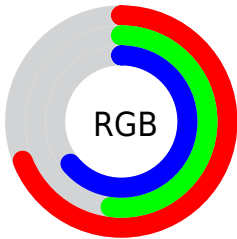
Format	Color
RYB	176, 133, 162
Decimal	11568546
CIELab	60.44, 21.26, -8.98
CIElCh	60, 23.077, 337.105
Yxy	28.6138, 0.3301, 0.2879
Android (android.graphics.Color)	4289758626 (0xFFB085A2)
YUV	149.1630, 6.3286, 23.5360
Hunter-Lab	53.4919, 15.8680, -4.6372

Details

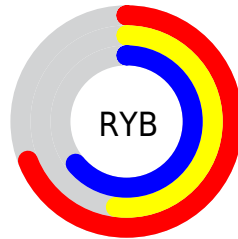
The Yxy color **28.6138, 0.3301, 0.2879** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **38.1364, 0.2988, 0.3740**, and the grayscale version is **30.0946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2834, 0.3266, 0.2953**, and **11.5233, 0.3365, 0.2755** is the 20% darker color. If you saturate the color by 10%, you get **23.9934, 0.3393, 0.2705**, and if you desaturate by 10%, it is **34.0533, 0.3221, 0.3052**.

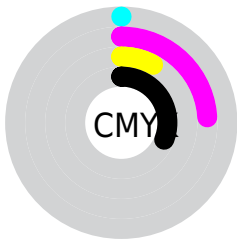
Distribution



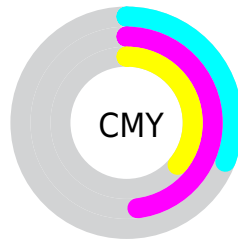
- Red (69%)
- Green (52%)
- Blue (64%)



- Red (69%)
- Yellow (52%)
- Blue (64%)



- Cyan (0%)
- Magenta (24%)
- Yellow (8%)
- Black (31%)





- Cyan (31%)
- Magenta (48%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6138, 0.3301, 0.2879 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 28.6138, 0.3301, 0.2879 by changing the saturation by 10% instead.


 28.6138, 0.3301,
0.2879


 28.6138, 0.3301,
0.2879


295.3884, 0.3210,
0.3094


 18.7889, 0.3325,
0.2822


 57.4629, 0.3267,
0.2960

 11.5178, 0.3356,
0.2747


 77.2559, 0.3255,
0.2989

 6.4163, 0.3400,
0.2642


 101.1403, 0.3244,
0.3014

 3.0998, 0.3463,
0.2490

129.5006, 0.3235,
0.3035

 1.1841, 0.3564,
0.2245

162.7212, 0.3228,
0.3053

 0.0486, 0.4366,
0.0376

201.1864, 0.3221,

 0.0000, 0.0000,

0.3068

0.0000

245.2807, 0.3215,
0.3082

■ 28.6138, 0.3301,
0.2879

■ 28.6138, 0.3301,
0.2879

■ 23.9934, 0.3393,
0.2705

■ 34.0533, 0.3221,
0.3052

■ 20.1480, 0.3499,
0.2536

■ 40.3457, 0.3154,
0.3219

■ 17.0351, 0.3617,
0.2381

■ 47.5273, 0.3096,
0.3377

■ 14.6065, 0.3747,
0.2250

■ 55.6313, 0.3048,
0.3526

■ 12.8084, 0.3884,
0.2154

■ 64.6893, 0.3008,
0.3663

■ 11.5785, 0.4024,
0.2102

■ 74.7312, 0.2975,
0.3790

■ 10.8421, 0.4163,
0.2098

■ 85.0171, 0.2947,
0.3894

■ 10.5506, 0.4240,
0.2109

■ 85.2940, 0.2917,
0.3826

■ 85.5811, 0.2887,
0.3758

Harmonies

Analogous

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



28.6138, 0.2918, 0.2712



28.6138, 0.3301, 0.2879



28.6138, 0.3654, 0.3142

Triad

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



28.6138, 0.3301, 0.2879



28.6138, 0.3645, 0.3937



28.6138, 0.2445, 0.3057

Complementary

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



28.6138, 0.3301, 0.2879



38.1364, 0.2988, 0.3740

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.



28.6138, 0.2616, 0.3417



28.6138, 0.3301, 0.2879



28.6138, 0.3302, 0.3955

Square

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



28.6138, 0.3301, 0.2879



28.6138, 0.3855, 0.3742



28.6138, 0.2926, 0.3760



28.6138, 0.2444, 0.2793

Rectangle

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



28.6138, 0.3301, 0.2879



28.6138, 0.3814, 0.3347



28.6138, 0.2926, 0.3760



28.6138, 0.2484, 0.3170

Sweetspot

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



28.6151, 0.3301, 0.2879



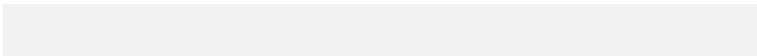
69.9443, 0.3171, 0.3174



26.0815, 0.2851, 0.2638



15.0121, 0.3175, 0.3165



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



28.6151, 0.3301, 0.2879



47.4602, 0.3346, 0.2790



27.9271, 0.3536, 0.3176



8.5987, 0.3186, 0.3138



7.7546, 0.4226, 0.2102



0.2542, 0.3879, 0.1911

Inverse Universe

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



28.6151, 0.3301, 0.2879



47.4602, 0.3346, 0.2790



38.8603, 0.2830, 0.3408



8.5987, 0.3186, 0.3138



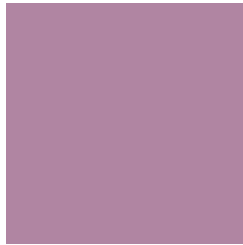
7.7546, 0.4226, 0.2102



0.2542, 0.3879, 0.1911

Previews

White Background



This preview shows how the Yxy color 28.6138, 0.3301, 0.2879 looks on a white background.

Color Contrast Check

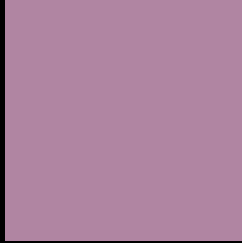
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6138, 0.3301, 0.2879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

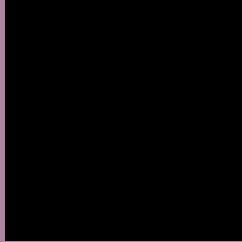
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6138, 0.3301, 0.2879

Background



This preview shows how black text looks on a background with the Yxy color 28.6138, 0.3301, 0.2879.



This preview shows how white text looks on a background with the Yxy color 28.6138, 0.3301, 0.2879.

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

28.6138, 0.3301, 0.2879

Protanopia

28.8158, 0.2857, 0.2903

Deuteranopia

28.7541, 0.3077, 0.3015



Tritanopia

28.6823, 0.3448, 0.3145

Trichromacy



Original Color

28.6138, 0.3301, 0.2879

Protanomaly

28.7098, 0.3011, 0.2898

Deuteranomaly

28.7198, 0.3153, 0.2963

Tritanomaly

28.7089, 0.3395, 0.3045

Monochromacy



Original Color

28.6138, 0.3301, 0.2879

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.3489, 0.3188, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6138, 0.3301, 0.2879 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(176, 133, 162)` looks like.

```
.text, #text, p{  
    color:rgb(176, 133, 162)  
}
```

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(176, 133, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 133, 162) }
```

Border

The CSS property to change the border of an element to Yxy 28.6138, 0.3301, 0.2879 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(176, 133, 162) }
```

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

```
.border{ border-color:rgb(176, 133, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 133, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 133, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 133, 162);  
box-shadow:4px 4px 4px 4px rgb(176, 133,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6138, 0.3301, 0.2879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 133, 162) }
```

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

```
.background{ background-color: rgb(176,  
133, 162) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor