

Converting Colors

$Y_{xy}(28.6631, 0.2909, 0.2269)$

Have a look what the booklet for
Yxy(28.6631, 0.2909, 0.2269)
contains.

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Color

Yxy(28.7463, 0.2910, 0.2278)

Conversions

Conversions Part 1

Format	Color
Hex	B27ECC
RGB	178, 126, 204
RGB Percent	70%, 49%, 80%
CMY	0.3019, 0.5059, 0.2001
CMYK	0.13, 0.38, 0.00, 0.20
HSL	280°, 43%, 65%
HSV	280°, 38%, 80%
XYZ	36.7216, 28.7463, 60.7231
YIQ	150.4400, 5.9540, 35.2820

Conversions

Conversions Part 2

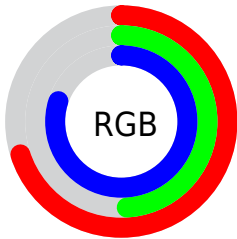
Format	Color
R _Y B	178, 126, 204
Decimal	11697868
CIE Lab	60.56, 34.18, -32.63
CIE LCh	61, 47.252, 316.327
Yxy	28.7463, 0.2910, 0.2278
Android (android.graphics.Color)	4289887948 (0xFFB27ECC)
YUV	150.4400, 26.4051, 24.1701
Hunter-Lab	53.6156, 28.4283, -29.6188

Details

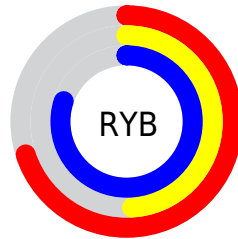
The Yxy color $28.7463, 0.2910, 0.2278$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $51.3498, 0.3265, 0.4379$, and the grayscale version is $30.5807, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.1224, 0.3007, 0.2510$, and $11.6239, 0.2826, 0.2012$ is the 20% darker color. If you saturate the color by 10%, you get $23.2689, 0.2833, 0.2006$, and if you desaturate by 10%, it is $35.3292, 0.2979, 0.2555$.

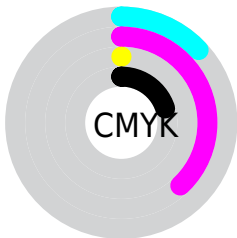
Distribution



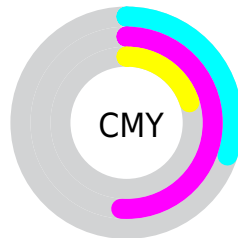
- Red (70%)
- Green (49%)
- Blue (80%)



- Red (70%)
- Yellow (49%)
- Blue (80%)



- Cyan (13%)
- Magenta (38%)
- Yellow (0%)
- Black (20%)





- Cyan (30%)
- Magenta (51%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7463, 0.2910, 0.2278 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 28.7463, 0.2910, 0.2278 by changing the saturation by 10% instead.


 28.7463, 0.2910,
0.2278


 28.7463, 0.2910,
0.2278


296.0160, 0.3038,
0.2780


 18.8890, 0.2872,
0.2156


 57.6738, 0.2961,
0.2459

 11.5901, 0.2819,
0.2001


 77.5127, 0.2979,
0.2527

 6.4652, 0.2744,
0.1801


 101.4476, 0.2994,
0.2585

 3.1300, 0.2627,
0.1534

129.8630, 0.3006,
0.2635

 1.2000, 0.2434,
0.1169

163.1431, 0.3016,
0.2679

 0.0617, 0.2196,
0.0151

201.6724, 0.3025,

 0.0000, 0.0000,

0.2717

0.0000

245.8352, 0.3032,
0.2751

■ 28.7463, 0.2910,
0.2278

■ 28.7463, 0.2910,
0.2278

■ 23.2689, 0.2833,
0.2006

■ 35.3292, 0.2979,
0.2555

■ 18.8279, 0.2748,
0.1750

■ 43.0742, 0.3040,
0.2827

■ 15.3517, 0.2659,
0.1523


■ 52.0382, 0.3091,
0.3087


■ 12.7577, 0.2568,
0.1335


■ 62.2733, 0.3134,
0.3332

■ 10.9493, 0.2479,
0.1194


■ 73.8283, 0.3170,
0.3558


 9.7806, 0.2395,
0.1099

 86.7498, 0.3199,
0.3765

 9.6008, 0.2380,
0.1085

 91.9727, 0.3237,
0.3823

 93.0889, 0.3281,
0.3815

 94.2490, 0.3325,
0.3808

Harmonies

Analogous

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



28.7463, 0.2271, 0.2123



28.7463, 0.2910, 0.2278



28.7463, 0.3703, 0.2636

Triad

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



28.7463, 0.2910, 0.2278



28.7463, 0.4465, 0.4251



28.7463, 0.1992, 0.3266

Complementary

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



28.7463, 0.2910, 0.2278



51.3498, 0.3265, 0.4379

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.



28.7463, 0.2484, 0.4096



28.7463, 0.2910, 0.2278



28.7463, 0.3911, 0.4655

Square

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



28.7463, 0.2910, 0.2278



28.7463, 0.4664, 0.3698



28.7463, 0.3186, 0.4653



28.7463, 0.1798, 0.2585

Rectangle

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



28.7463, 0.2910, 0.2278



28.7463, 0.4189, 0.2957



28.7463, 0.3186, 0.4653



28.7463, 0.2125, 0.3543

Sweetspot

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



28.7475, 0.2910, 0.2278



81.6633, 0.3077, 0.3013



31.2469, 0.2488, 0.2530



17.0343, 0.3070, 0.2978



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.



28.7475, 0.2910, 0.2278



39.9048, 0.2846, 0.2050



31.5154, 0.3303, 0.2493



11.2095, 0.3085, 0.3058



6.0972, 0.2391, 0.1091



0.3549, 0.2554, 0.1181

Inverse Universe

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



30.0200, 0.3745, 0.2957



42.5147, 0.3951, 0.2886



49.4727, 0.2992, 0.4248



11.2742, 0.3239, 0.3213



8.3573, 0.5623, 0.2871



0.4452, 0.5066, 0.2565

Previews

White Background



This preview shows how the Yxy color 28.7463, 0.2910, 0.2278 looks on a white background.

Color Contrast Check

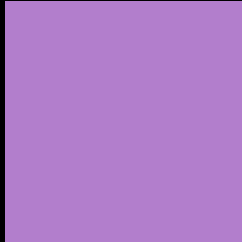
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7463, 0.2910, 0.2278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

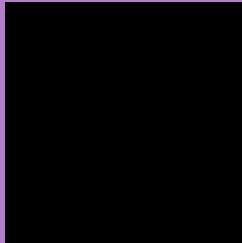
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7463, 0.2910, 0.2278

Background



This preview shows how black text looks on a background with the Yxy color 28.7463, 0.2910, 0.2278.



This preview shows how white text looks on a background with the Yxy color 28.7463, 0.2910, 0.2278.

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

28.7463, 0.2910, 0.2278

Protanopia

29.0734, 0.2349, 0.2238

Deuteranopia

28.8625, 0.2528, 0.2464



Tritanopia

28.8611, 0.3377, 0.3143

Trichromacy



Original Color

28.7463, 0.2910, 0.2278

Protanomaly

28.4462, 0.2522, 0.2234

Deuteranomaly

28.3114, 0.2651, 0.2381

Tritanomaly

28.7616, 0.3204, 0.2807

Monochromacy



Original Color

28.7463, 0.2910, 0.2278

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.4256, 0.3044, 0.2863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7463, 0.2910, 0.2278 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(178, 126, 204)` looks like.

```
.text, #text, p{  
    color:rgb(178, 126, 204)  
}
```

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(178, 126, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 126, 204) }
```

Border

The CSS property to change the border of an element to Yxy 28.7463, 0.2910, 0.2278 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(178, 126, 204) }
```

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

```
.border{ border-color:rgb(178, 126, 204) }
```

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

Here you see how a box with a 4 pixel rgb(178, 126, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 126, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 126, 204);  
box-shadow:4px 4px 4px 4px rgb(178, 126,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7463, 0.2910, 0.2278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 126, 204) }
```

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

```
.background{ background-color: rgb(178,  
126, 204) }
```

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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