

Converting Colors

$Y_{xy}(28.0229, 0.3108, 0.2469)$

Have a look what the booklet for
Yxy(28.0229, 0.3108, 0.2469)
contains.

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Color

Yxy(28.0362, 0.3112, 0.2475)

Conversions

Conversions Part 1

Format	Color
Hex	B57DBA
RGB	181, 125, 186
RGB Percent	71%, 49%, 73%
CMY	0.2901, 0.5098, 0.2707
CMYK	0.03, 0.33, 0.00, 0.27
HSL	295°, 31%, 61%
HSV	295°, 33%, 73%
XYZ	35.2520, 28.0362, 49.9894
YIQ	148.6980, 13.7950, 30.8430

Conversions

Conversions Part 2

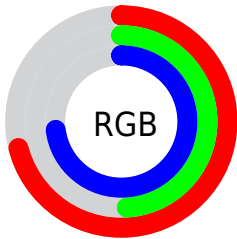
Format	Color
RYB	181, 125, 186
Decimal	11894202
CIELab	59.92, 31.99, -23.39
CIElCh	60, 39.631, 323.829
Yxy	28.0362, 0.3112, 0.2475
Android (android.graphics.Color)	4290084282 (0xFFB57DBA)
YUV	148.6980, 18.3899, 28.3289
Hunter-Lab	52.9492, 26.1787, -18.9113

Details

The Yxy color **28.0362, 0.3112, 0.2475** is a light color, and the websafe version is hex **996699**. A complement of this color would be **41.3273, 0.3122, 0.4236**, and the grayscale version is **29.8393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4287, 0.3126, 0.2625**, and **11.2376, 0.3083, 0.2235** is the 20% darker color. If you saturate the color by 10%, you get **23.5797, 0.3102, 0.2233**, and if you desaturate by 10%, it is **33.3786, 0.3119, 0.2726**.

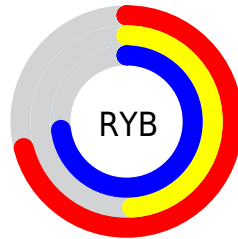
Distribution



Red (71%)

Green (49%)

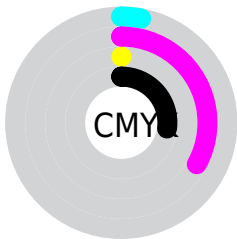
Blue (73%)



Red (71%)

Yellow (49%)

Blue (73%)

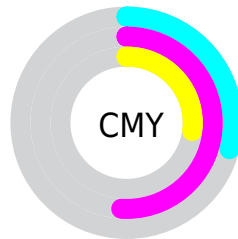


Cyan (3%)

Magenta (33%)

Yellow (0%)

Black (27%)



Cyan (29%)


Magenta (51%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0362, 0.3112, 0.2475 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 28.0362, 0.3112, 0.2475 by changing the saturation by 10% instead.


 28.0362, 0.3112,
0.2475


 28.0362, 0.3112,
0.2475


292.6399, 0.3130,
0.2888

 18.3529, 0.3103,
0.2371


 56.5422, 0.3121,
0.2626

 11.2037, 0.3090,
0.2237


 76.1338, 0.3124,
0.2683

 6.2040, 0.3068,
0.2059


 99.7969, 0.3126,
0.2730

 2.9695, 0.3027,
0.1813

127.9160, 0.3128,
0.2771

 1.1158, 0.2944,
0.1455

160.8755, 0.3129,
0.2806

 0.0000, 0.3017,
0.0000

199.0597, 0.3129,

 0.0000, 0.0000,

0.2837

0.0000

242.8530, 0.3130,
0.2864

■ 28.0362, 0.3112,
0.2475

■ 28.0362, 0.3112,
0.2475

■ 23.5797, 0.3102,
0.2233

■ 33.3786, 0.3119,
0.2726

■ 19.9561, 0.3090,
0.2009

■ 39.6488, 0.3124,
0.2978

■ 17.1126, 0.3076,
0.1814

■ 46.8903, 0.3127,
0.3224

■ 14.9885, 0.3059,
0.1655


■ 55.1428, 0.3128,
0.3458


■ 13.5145, 0.3040,
0.1538


■ 64.4440, 0.3128,
0.3678


 12.6073, 0.3020,
0.1464

 74.8292, 0.3126,
0.3881

 12.1856, 0.3006,
0.1429

 86.2170, 0.3124,
0.4066

 86.4147, 0.3134,
0.4064

 86.6145, 0.3143,
0.4061

Harmonies

Analogous

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



28.0362, 0.2514, 0.2291



28.0362, 0.3112, 0.2475



28.0362, 0.3781, 0.2829

Triad

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



28.0362, 0.3112, 0.2475



28.0362, 0.4187, 0.4237



28.0362, 0.2083, 0.3118

Complementary

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



28.0362, 0.3112, 0.2475



41.3273, 0.3122, 0.4236

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.



28.0362, 0.2457, 0.3798



28.0362, 0.3112, 0.2475



28.0362, 0.3668, 0.4486

Square

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



28.0362, 0.3112, 0.2475



28.0362, 0.4431, 0.3789



28.0362, 0.3033, 0.4345



28.0362, 0.1972, 0.2591

Rectangle

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



28.0362, 0.3112, 0.2475



28.0362, 0.4151, 0.3129



28.0362, 0.3033, 0.4345



28.0362, 0.2180, 0.3338

Sweetspot

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



28.0374, 0.3112, 0.2475



75.1562, 0.3125, 0.3043



23.8917, 0.2559, 0.2415



16.1594, 0.3124, 0.3008



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.



28.0374, 0.3112, 0.2475



45.1240, 0.3106, 0.2307



27.6611, 0.3442, 0.2803



9.1246, 0.3125, 0.3064



8.2168, 0.3009, 0.1431



0.3007, 0.3064, 0.1461

Inverse Universe

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



26.7138, 0.3812, 0.3222



42.4117, 0.4025, 0.3208



41.6795, 0.2904, 0.3837



9.0237, 0.3275, 0.3272



7.0512, 0.6295, 0.3242



0.2526, 0.5911, 0.3030

Previews

White Background



This preview shows how the Yxy color 28.0362, 0.3112, 0.2475 looks on a white background.

Color Contrast Check

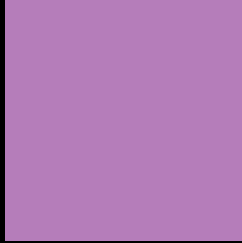
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0362, 0.3112, 0.2475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

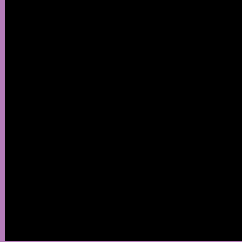
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0362, 0.3112, 0.2475

Background



This preview shows how black text looks on a background with the Yxy color 28.0362, 0.3112, 0.2475.



This preview shows how white text looks on a background with the Yxy color 28.0362, 0.3112, 0.2475.

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

28.0362, 0.3112, 0.2475

Protanopia

28.3576, 0.2517, 0.2458

Deuteranopia

28.2539, 0.2727, 0.2669



Tritanopia

27.9026, 0.3489, 0.3130

Trichromacy



Original Color

28.0362, 0.3112, 0.2475

Protanomaly

27.7064, 0.2704, 0.2451

Deuteranomaly

27.9390, 0.2854, 0.2591

Tritanomaly

27.8156, 0.3349, 0.2878

Monochromacy



Original Color

28.0362, 0.3112, 0.2475

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

28.9419, 0.3132, 0.2962

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0362, 0.3112, 0.2475 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(181, 125, 186)` looks like.

```
.text, #text, p{  
    color:rgb(181, 125, 186)  
}
```

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(181, 125, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 125, 186) }
```

Border

The CSS property to change the border of an element to Yxy 28.0362, 0.3112, 0.2475 is called "border". The border property can be set on classes, ids or directly on the HTML element.

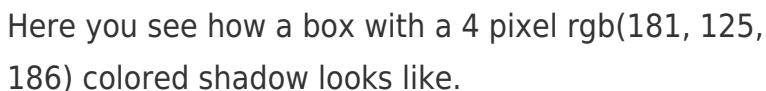
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 125, 186) }
```

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

```
.border{ border-color:rgb(181, 125, 186) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 125, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 125, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 125, 186); box-shadow:4px 4px 4px 4px rgb(181, 125, 186) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0362, 0.3112, 0.2475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 125, 186) }
```

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

```
.background{ background-color: rgb(181,  
125, 186) }
```

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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