

Converting Colors

$Y_{xy}(27.9157, 0.3101, 0.2472)$

Have a look what the booklet for
Yxy(27.9157, 0.3101, 0.2472)
contains.

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Color

Yxy(27.9157, 0.3101, 0.2472)

Conversions

Conversions Part 1

Format	Color
Hex	B47DBA
RGB	180, 125, 186
RGB Percent	71%, 49%, 73%
CMY	0.2941, 0.5098, 0.2706
CMYK	0.03, 0.33, 0.00, 0.27
HSL	294°, 31%, 61%
HSV	294°, 33%, 73%
XYZ	35.0188, 27.9157, 49.9930
YIQ	148.3990, 13.1990, 30.6310

Conversions

Conversions Part 2

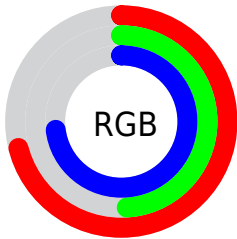
Format	Color
RYB	180, 125, 186
Decimal	11828666
CIELab	59.81, 31.67, -23.58
CIElCh	60, 39.484, 323.327
Yxy	27.9157, 0.3101, 0.2472
Android (android.graphics.Color)	4290018746 (0xFFB47DBA)
YUV	148.3990, 18.5373, 27.7141
Hunter-Lab	52.8353, 25.8467, -19.1158

Details

The Yxy color $27.9157, 0.3101, 0.2472$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $41.4207, 0.3130, 0.4234$, and the grayscale version is $29.7073, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.2561, 0.3118, 0.2623$, and $11.1612, 0.3068, 0.2230$ is the 20% darker color. If you saturate the color by 10%, you get $23.4226, 0.3087, 0.2228$, and if you desaturate by 10%, it is $33.2959, 0.3112, 0.2725$.

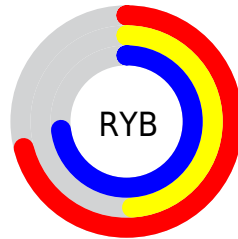
Distribution



Red (71%)

Green (49%)

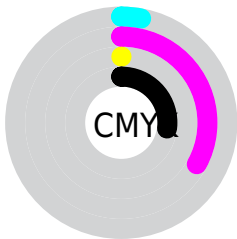
Blue (73%)



Red (71%)

Yellow (49%)

Blue (73%)

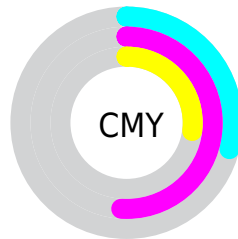


Cyan (3%)

Magenta (33%)

Yellow (0%)

Black (27%)



Cyan (29%)


Magenta (51%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9157, 0.3101, 0.2472 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 27.9157, 0.3101, 0.2472 by changing the saturation by 10% instead.


 27.9157, 0.3101,
0.2472


 27.9157, 0.3101,
0.2472


292.0639, 0.3125,
0.2887


 18.2621, 0.3091,
0.2367


 56.3498, 0.3113,
0.2624

 11.1383, 0.3075,
0.2233


 75.8992, 0.3116,
0.2681

 6.1600, 0.3050,
0.2054


 99.5159, 0.3119,
0.2728

 2.9426, 0.3005,
0.1806

127.5844, 0.3121,
0.2769

 1.1018, 0.2914,
0.1446

160.4890, 0.3122,
0.2805

 0.0000, 0.2963,
0.0000

198.6142, 0.3124,

 0.0000, 0.0000,

0.2836

0.0000

242.3444, 0.3125,
0.2863

■ 27.9157, 0.3101,
0.2472

■ 27.9157, 0.3101,
0.2472

■ 23.4226, 0.3087,
0.2228

■ 33.2959, 0.3112,
0.2725

■ 19.7635, 0.3070,
0.2001

■ 39.6051, 0.3120,
0.2977

■ 16.8856, 0.3051,
0.1803


■ 46.8867, 0.3126,
0.3223

■ 14.7282, 0.3029,
0.1640

■ 55.1807, 0.3130,
0.3457


■ 13.2218, 0.3006,
0.1520


■ 64.5244, 0.3132,
0.3677

 12.2833, 0.2981,
0.1443

 74.9536, 0.3132,
0.3880

 11.8400, 0.2963,
0.1406

 86.3748, 0.3132,
0.4064

 86.6160, 0.3143,
0.4061

 86.8602, 0.3154,
0.4058

Harmonies

Analogous

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



27.9157, 0.2506, 0.2292



27.9157, 0.3101, 0.2472



27.9157, 0.3769, 0.2823

Triad

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



27.9157, 0.3101, 0.2472



27.9157, 0.4191, 0.4229



27.9157, 0.2090, 0.3129

Complementary

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



27.9157, 0.3101, 0.2472



41.4207, 0.3130, 0.4234

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.



27.9157, 0.2467, 0.3808



27.9157, 0.3101, 0.2472



27.9157, 0.3677, 0.4482

Square

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



27.9157, 0.3101, 0.2472



27.9157, 0.4429, 0.3781



27.9157, 0.3044, 0.4349



27.9157, 0.1974, 0.2600

Rectangle

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



27.9157, 0.3101, 0.2472



27.9157, 0.4141, 0.3122



27.9157, 0.3044, 0.4349



27.9157, 0.2187, 0.3349

Sweetspot

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



27.9169, 0.3101, 0.2472



75.0843, 0.3122, 0.3043



24.1654, 0.2561, 0.2431



16.1414, 0.3121, 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.



27.9169, 0.3101, 0.2472



44.8533, 0.3092, 0.2303



27.7009, 0.3430, 0.2789



9.1167, 0.3122, 0.3064



7.9844, 0.2966, 0.1408



0.2945, 0.3033, 0.1445

Inverse Universe

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



26.7450, 0.3799, 0.3207



42.4661, 0.4008, 0.3190



41.6582, 0.2911, 0.3853



9.0262, 0.3273, 0.3268



7.0584, 0.6269, 0.3227



0.2536, 0.5821, 0.2981

Previews

White Background



This preview shows how the Yxy color 27.9157, 0.3101, 0.2472 looks on a white background.

Color Contrast Check

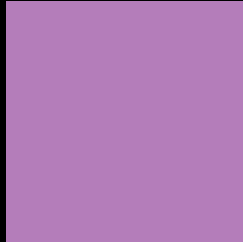
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9157, 0.3101, 0.2472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

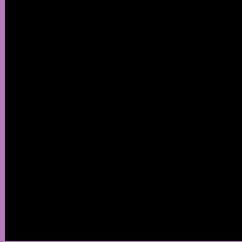
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9157, 0.3101, 0.2472

Background



This preview shows how black text looks on a background with the Yxy color 27.9157, 0.3101, 0.2472.



This preview shows how white text looks on a background with the Yxy color 27.9157, 0.3101, 0.2472.

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

27.9157, 0.3101, 0.2472

Protanopia

28.0587, 0.2515, 0.2443

Deuteranopia

28.1682, 0.2718, 0.2668



Tritanopia

27.7873, 0.3478, 0.3130

Trichromacy



Original Color

27.9157, 0.3101, 0.2472

Protanomaly

27.7064, 0.2704, 0.2451

Deuteranomaly

27.8413, 0.2845, 0.2589

Tritanomaly

27.6986, 0.3338, 0.2876

Monochromacy



Original Color

27.9157, 0.3101, 0.2472

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.8384, 0.3121, 0.2961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9157, 0.3101, 0.2472 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(180, 125, 186)` looks like.

```
.text, #text, p{  
    color:rgb(180, 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(180, 125, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 125, 186) }
```

Border

The CSS property to change the border of an element to Yxy 27.9157, 0.3101, 0.2472 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(180, 125, 186) }
```

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

```
.border{ border-color:rgb(180, 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(180, 125, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 125, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 125, 186); box-shadow:4px 4px 4px 4px rgb(180, 125, 186) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9157, 0.3101, 0.2472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 125, 186) }
```

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

```
.background{ background-color: rgb(180,  
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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