

Converting Colors

$Y_{xy}(27.9478, 0.3189, 0.2676)$

Have a look what the booklet for
Yxy(27.9478, 0.3189, 0.2676)
contains.

Yxy(27.9478, 0.3189, 0.2676)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.9478, 0.3189, 0.2676)

Conversions

Conversions Part 1

Format	Color
Hex	B081AD
RGB	176, 129, 173
RGB Percent	69%, 51%, 68%
CMY	0.3097, 0.4942, 0.3215
CMYK	0.00, 0.27, 0.02, 0.31
HSL	304°, 23%, 60%
HSV	304°, 27%, 69%
XYZ	33.3055, 27.9478, 43.1854
YIQ	148.0690, 13.8880, 23.6480

Conversions

Conversions Part 2

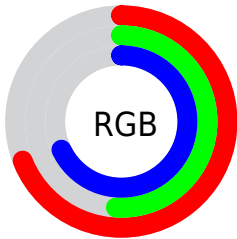
Format	Color
RYB	176, 129, 173
Decimal	11567533
CIELab	59.84, 25.60, -16.18
CIELCh	60, 30.286, 327.699
Yxy	27.9478, 0.3189, 0.2676
Android (android.graphics.Color)	4289757613 (0xFFB081AD)
YUV	148.0690, 12.2910, 24.4955
Hunter-Lab	52.8657, 19.9405, -11.4274

Details

The Yxy color $27.9478, 0.3189, 0.2676$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $37.3975, 0.3069, 0.3992$, and the grayscale version is $29.5897, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.2131, 0.3183, 0.2795$, and $11.1834, 0.3197, 0.2480$ is the 20% darker color. If you saturate the color by 10%, you get $23.6612, 0.3216, 0.2448$, and if you desaturate by 10%, it is $33.0361, 0.3164, 0.2909$.

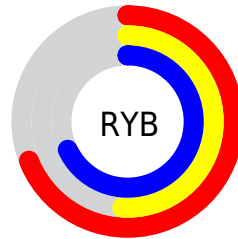
Distribution



Red (69%)

Green (51%)

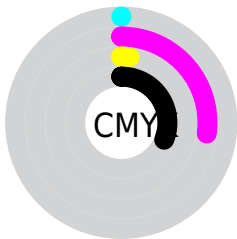
Blue (68%)



Red (69%)

Yellow (51%)

Blue (68%)

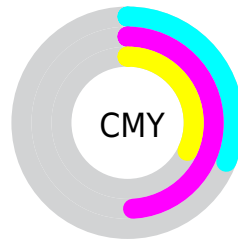


Cyan (0%)

Magenta (27%)

Yellow (2%)

Black (31%)



Cyan (31%)


Magenta (49%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9478, 0.3189, 0.2676 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 27.9478, 0.3189, 0.2676 by changing the saturation by 10% instead.


 27.9478, 0.3189,
0.2676


 27.9478, 0.3189,
0.2676


292.2174, 0.3162,
0.2993


 18.2863, 0.3194,
0.2594


 56.4011, 0.3180,
0.2794

 11.1557, 0.3200,
0.2486


 75.9617, 0.3177,
0.2837

 6.1717, 0.3205,
0.2340


 99.5908, 0.3173,
0.2874

 2.9498, 0.3208,
0.2131

127.6727, 0.3171,
0.2905

 1.1056, 0.3199,
0.1809

160.5920, 0.3168,
0.2932

 0.0000, 0.3519,
0.0000

198.7329, 0.3166,

 0.0000, 0.0000,

0.2955

0.0000

242.4799, 0.3164,
0.2975

■ 27.9478, 0.3189,
0.2676

■ 27.9478, 0.3189,
0.2676

■ 23.6612, 0.3216,
0.2448

■ 33.0361, 0.3164,
0.2909

■ 20.1317, 0.3243,
0.2234

■ 38.9605, 0.3141,
0.3139

■ 17.3160, 0.3271,
0.2042

■ 45.7577, 0.3121,
0.3362

■ 15.1646, 0.3298,
0.1882

■ 53.4614, 0.3102,
0.3573

■ 13.6222, 0.3324,
0.1761

■ 62.1032, 0.3086,
0.3770

■ 12.6243, 0.3348,
0.1682

■ 71.7135, 0.3072,
0.3953

■ 12.0808, 0.3369,
0.1643

■ 82.3210, 0.3059,
0.4121

■ 11.9423, 0.3376,
0.1633

■ 84.1339, 0.3053,
0.4134

■ 84.1807, 0.3047,
0.4121

Harmonies

Analogous

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



27.9478, 0.2707, 0.2510



27.9478, 0.3189, 0.2676



27.9478, 0.3690, 0.2977

Triad

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



27.9478, 0.3189, 0.2676



27.9478, 0.3914, 0.4073



27.9478, 0.2287, 0.3110

Complementary

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



27.9478, 0.3189, 0.2676



37.3975, 0.3069, 0.3992

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.



27.9478, 0.2565, 0.3612



27.9478, 0.3189, 0.2676



27.9478, 0.3500, 0.4202

Square

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



27.9478, 0.3189, 0.2676



27.9478, 0.4123, 0.3752



27.9478, 0.3005, 0.4038



27.9478, 0.2219, 0.2719

Rectangle

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



27.9478, 0.3189, 0.2676



27.9478, 0.3952, 0.3226



27.9478, 0.3005, 0.4038



27.9478, 0.2357, 0.3272

Sweetspot

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



27.9490, 0.3189, 0.2676



69.0179, 0.3144, 0.3107



23.6848, 0.2695, 0.2543



14.5984, 0.3148, 0.3073



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.



27.9490, 0.3189, 0.2676



45.9625, 0.3204, 0.2542



27.1381, 0.3440, 0.2985



8.6371, 0.3147, 0.3080



8.7614, 0.3374, 0.1632



0.2785, 0.3324, 0.1605

Inverse Universe

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



27.9490, 0.3189, 0.2676



45.9625, 0.3204, 0.2542



38.0935, 0.2896, 0.3618



8.6371, 0.3147, 0.3080



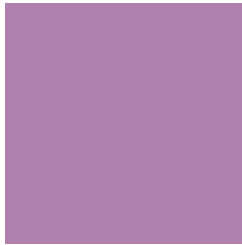
8.7614, 0.3374, 0.1632



0.2785, 0.3324, 0.1605

Previews

White Background



This preview shows how the Yxy color 27.9478, 0.3189, 0.2676 looks on a white background.

Color Contrast Check

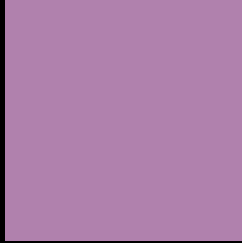
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9478, 0.3189, 0.2676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

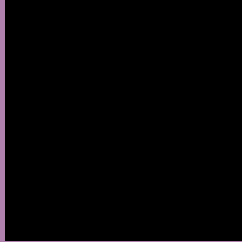
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9478, 0.3189, 0.2676

Background



This preview shows how black text looks on a background with the Yxy color 27.9478, 0.3189, 0.2676.



This preview shows how white text looks on a background with the Yxy color 27.9478, 0.3189, 0.2676.

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

27.9478, 0.3189, 0.2676

Protanopia

28.2147, 0.2693, 0.2679

Deuteranopia

28.1010, 0.2894, 0.2831



Tritanopia

27.8652, 0.3441, 0.3129

Trichromacy



Original Color

27.9478, 0.3189, 0.2676

Protanomaly

27.9157, 0.2861, 0.2679

Deuteranomaly

28.0380, 0.2994, 0.2771

Tritanomaly

27.7533, 0.3345, 0.2957

Monochromacy



Original Color

27.9478, 0.3189, 0.2676

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.7532, 0.3149, 0.3048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9478, 0.3189, 0.2676 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, 129, 173)` looks like.

```
.text, #text, p{  
    color:rgb(176, 129, 173)  
}
```

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, 129, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 129, 173) }
```

Border

The CSS property to change the border of an element to Yxy 27.9478, 0.3189, 0.2676 is called "border". The border property can be set on classes, ids or directly on the HTML element.

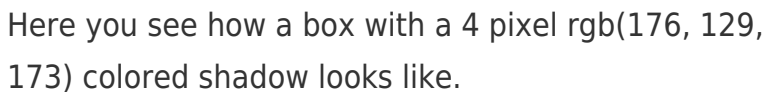
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 129, 173) }
```

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

```
.border{ border-color:rgb(176, 129, 173) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 129, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 129, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 129, 173); box-shadow:4px 4px 4px 4px rgb(176, 129, 173) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9478, 0.3189, 0.2676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 129, 173) }
```

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

```
.background{ background-color: rgb(176,  
129, 173) }
```

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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