

Converting Colors

$Y_{xy}(27.3370, 0.3145, 0.2679)$

Have a look what the booklet for
Yxy(27.3370, 0.3145, 0.2679)
contains.

Yxy(27.3370, 0.3145, 0.2679)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.3370, 0.3145, 0.2679)

Conversions

Conversions Part 1

Format	Color
Hex	AB81AC
RGB	171, 129, 172
RGB Percent	67%, 51%, 67%
CMY	0.3294, 0.4941, 0.3255
CMYK	0.01, 0.25, 0.00, 0.33
HSL	299°, 21%, 59%
HSV	299°, 25%, 67%
XYZ	32.0921, 27.3370, 42.6127
YIQ	146.4600, 11.2290, 22.2770

Conversions

Conversions Part 2

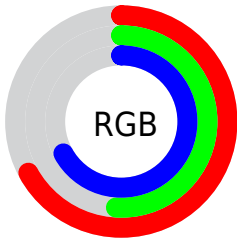
Format	Color
RYB	171, 129, 172
Decimal	11239852
CIELab	59.28, 23.66, -16.49
CIElCh	59, 28.844, 325.129
Yxy	27.3370, 0.3145, 0.2679
Android (android.graphics.Color)	4289429932 (0xFFAB81AC)
YUV	146.4600, 12.5912, 21.5216
Hunter-Lab	52.2848, 18.0640, -11.7226

Details

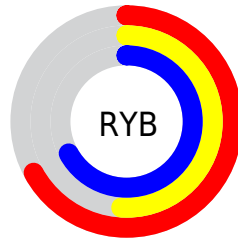
The Yxy color **27.3370, 0.3145, 0.2679** is a light color, and the websafe version is hex **996699**. A complement of this color would be **35.8336, 0.3103, 0.3983**, and the grayscale version is **28.8879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3328, 0.3150, 0.2799**, and **10.7996, 0.3133, 0.2477** is the 20% darker color. If you saturate the color by 10%, you get **23.1377, 0.3151, 0.2436**, and if you desaturate by 10%, it is **32.3015, 0.3138, 0.2926**.

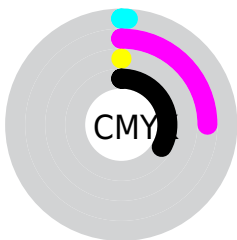
Distribution



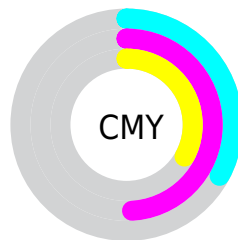
- Red (67%)
- Green (51%)
- Blue (67%)



- Red (67%)
- Yellow (51%)
- Blue (67%)



- Cyan (1%)
- Magenta (25%)
- Yellow (0%)
- Black (33%)





- Cyan (33%)
- Magenta (49%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3370, 0.3145, 0.2679 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 27.3370, 0.3145, 0.2679 by changing the saturation by 10% instead.


 27.3370, 0.3145,
0.2679


 27.3370, 0.3145,
0.2679


289.2851, 0.3141,
0.2996


 17.8265, 0.3144,
0.2596


 55.4242, 0.3145,
0.2797

 10.8255, 0.3141,
0.2488


 74.7696, 0.3145,
0.2841

 5.9496, 0.3134,
0.2339


 98.1622, 0.3144,
0.2877

 2.8145, 0.3119,
0.2126

125.9862, 0.3144,
0.2908

 1.0357, 0.3080,
0.1797

158.6261, 0.3143,
0.2935

 0.0000, 0.3195,
0.0000

196.4663, 0.3142,

 0.0000, 0.0000,

0.2958

0.0000

239.8912, 0.3142,
0.2978

■ 27.3370, 0.3145,
0.2679

■ 27.3370, 0.3145,
0.2679

■ 23.1377, 0.3151,
0.2436

■ 32.3015, 0.3138,
0.2926

■ 19.6618, 0.3156,
0.2206

■ 38.0632, 0.3131,
0.3171

■ 16.8691, 0.3159,
0.1998

■ 44.6564, 0.3123,
0.3407

■ 14.7139, 0.3161,
0.1822

■ 52.1126, 0.3116,
0.3630

■ 13.1451, 0.3160,
0.1683

■ 60.4615, 0.3109,
0.3837

■ 12.1036, 0.3158,
0.1586

■ 69.7314, 0.3101,
0.4029

■ 11.5168, 0.3155,
0.1530

■ 79.9493, 0.3095,
0.4204

■ 11.3083, 0.3152,
0.1510

■ 83.5166, 0.3094,
0.4257

■ 83.5621, 0.3097,
0.4257

Harmonies

Analogous

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



27.3370, 0.2690, 0.2532



27.3370, 0.3145, 0.2679



27.3370, 0.3630, 0.2961

Triad

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



27.3370, 0.3145, 0.2679



27.3370, 0.3910, 0.4022



27.3370, 0.2334, 0.3159

Complementary

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



27.3370, 0.3145, 0.2679



35.8336, 0.3103, 0.3983

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.



27.3370, 0.2619, 0.3639



27.3370, 0.3145, 0.2679



27.3370, 0.3526, 0.4163

Square

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



27.3370, 0.3145, 0.2679



27.3370, 0.4088, 0.3706



27.3370, 0.3052, 0.4030



27.3370, 0.2250, 0.2768

Rectangle

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



27.3370, 0.3145, 0.2679



27.3370, 0.3891, 0.3198



27.3370, 0.3052, 0.4030



27.3370, 0.2408, 0.3316

Sweetspot

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



27.3382, 0.3145, 0.2679



66.7070, 0.3132, 0.3119



23.7267, 0.2709, 0.2619



14.3638, 0.3133, 0.3106



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



27.3382, 0.3145, 0.2679



45.2093, 0.3148, 0.2543



26.7359, 0.3373, 0.2955



8.1386, 0.3134, 0.3066



8.4191, 0.3153, 0.1511



0.2371, 0.3171, 0.1521

Inverse Universe

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



26.0825, 0.3630, 0.3277



42.5426, 0.3783, 0.3274



36.3429, 0.2938, 0.3652



8.0182, 0.3283, 0.3285



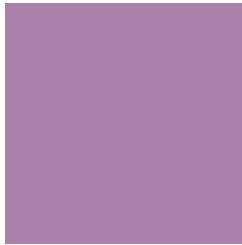
6.5344, 0.6370, 0.3283



0.1827, 0.6235, 0.3208

Previews

White Background



This preview shows how the Yxy color 27.3370, 0.3145, 0.2679 looks on a white background.

Color Contrast Check

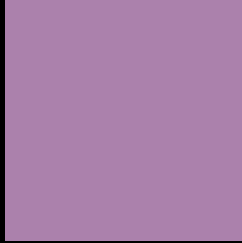
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3370, 0.3145, 0.2679 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 27.3370, 0.3145, 0.2679

Background



This preview shows how black text looks on a background with the Yxy color 27.3370, 0.3145, 0.2679.



This preview shows how white text looks on a background with the Yxy color 27.3370, 0.3145, 0.2679.

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

27.3370, 0.3145, 0.2679

Protanopia

27.3725, 0.2688, 0.2672

Deuteranopia

27.5877, 0.2883, 0.2827



Tritanopia

27.3100, 0.3384, 0.3125

Trichromacy



Original Color

27.3370, 0.3145, 0.2679

Protanomaly

27.3087, 0.2839, 0.2672

Deuteranomaly

27.4186, 0.2973, 0.2765

Tritanomaly

27.1939, 0.3289, 0.2950

Monochromacy



Original Color

27.3370, 0.3145, 0.2679

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.0913, 0.3138, 0.3059

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3370, 0.3145, 0.2679 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(171, 129, 172)` looks like.

```
.text, #text, p{  
    color:rgb(171, 129, 172)  
}
```

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(171, 129, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 129, 172) }
```

Border

The CSS property to change the border of an element to Yxy 27.3370, 0.3145, 0.2679 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(171, 129, 172) }
```

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

```
.border{ border-color:rgb(171, 129, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 129, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 129, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 129, 172);  
box-shadow:4px 4px 4px 4px rgb(171, 129,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3370, 0.3145, 0.2679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 129, 172) }
```

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

```
.background{ background-color: rgb(171,  
129, 172) }
```

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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