

Converting Colors

$Y_{xy}(28.1233, 0.2798, 0.2355)$

Have a look what the booklet for
Yxy(28.1233, 0.2798, 0.2355)
contains.

Yxy(28.0375, 0.2799, 0.2355)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(28.0375, 0.2799, 0.2355)

Conversions

Conversions Part 1

Format	Color
Hex	A283C7
RGB	162, 131, 199
RGB Percent	64%, 51%, 78%
CMY	0.3648, 0.4862, 0.2196
CMYK	0.19, 0.34, 0.00, 0.22
HSL	267°, 38%, 65%
HSV	267°, 34%, 78%
XYZ	33.3236, 28.0375, 57.6942
YIQ	148.0210, -3.3520, 27.7200

Conversions

Conversions Part 2

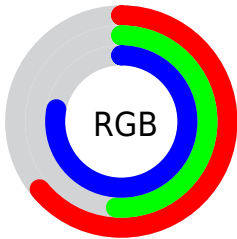
Format	Color
RYB	162, 131, 199
Decimal	10650567
CIELab	59.92, 25.31, -30.94
CIElCh	60, 39.976, 309.289
Yxy	28.0375, 0.2799, 0.2355
Android (android.graphics.Color)	4288840647 (0xFFA283C7)
YUV	148.0210, 25.1326, 12.2596
Hunter-Lab	52.9504, 19.6729, -27.5363

Details

The Yxy color **28.0375, 0.2799, 0.2355** is a light color, and the websafe version is hex **996699**. A complement of this color would be **50.8193, 0.3372, 0.4212**, and the grayscale version is **29.5181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4064, 0.2879, 0.2534**, and **11.1804, 0.2673, 0.2081** is the 20% darker color. If you saturate the color by 10%, you get **22.1099, 0.2674, 0.2053**, and if you desaturate by 10%, it is **35.0919, 0.2911, 0.2650**.

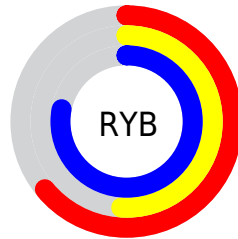
Distribution



Red (64%)

Green (51%)

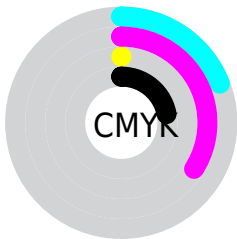
Blue (78%)



Red (64%)

Yellow (51%)

Blue (78%)

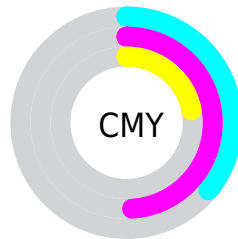


Cyan (19%)

Magenta (34%)

Yellow (0%)

Black (22%)



Cyan (36%)


Magenta (49%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0375, 0.2799, 0.2355 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 28.0375, 0.2799, 0.2355 by changing the saturation by 10% instead.


 28.0375, 0.2799,
0.2355


 28.0375, 0.2799,
0.2355


292.6461, 0.2983,
0.2827


 18.3539, 0.2747,
0.2237


 56.5443, 0.2871,
0.2527

 11.2044, 0.2676,
0.2087


 76.1363, 0.2896,
0.2592

 6.2045, 0.2577,
0.1889


 99.8000, 0.2917,
0.2646

 2.9698, 0.2427,
0.1621

127.9196, 0.2935,
0.2693

 1.1160, 0.2184,
0.1245

160.8796, 0.2949,
0.2733

 0.0000, 0.1837,
0.0000

199.0645, 0.2962,

 0.0000, 0.0000,

0.2769

0.0000

242.8585, 0.2973,
0.2800

■ 28.0375, 0.2799,
0.2355

■ 28.0375, 0.2799,
0.2355

■ 22.1099, 0.2674,
0.2053

■ 35.0919, 0.2911,
0.2650

■ 17.2441, 0.2538,
0.1755

■ 43.3263, 0.3010,
0.2929

■ 13.3739, 0.2397,
0.1477

■ 52.7946, 0.3095,
0.3189

■ 10.4237, 0.2256,
0.1233

■ 63.5462, 0.3168,
0.3425

■ 8.3063, 0.2121,
0.1038

■ 75.6280, 0.3229,
0.3639

6.9170, 0.1999,
0.0900

89.0843, 0.3280,
0.3830

6.3304, 0.1935,
0.0839

93.7928, 0.3346,
0.3861

95.7235, 0.3418,
0.3848

96.9040, 0.3460,
0.3840

Harmonies

Analogous

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



28.0375, 0.2287, 0.2269



28.0375, 0.2799, 0.2355



28.0375, 0.3464, 0.2634

Triad

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



28.0375, 0.2799, 0.2355



28.0375, 0.4358, 0.4039



28.0375, 0.2226, 0.3443

Complementary

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



28.0375, 0.2799, 0.2355



50.8193, 0.3372, 0.4212

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.



28.0375, 0.2714, 0.4110



28.0375, 0.2799, 0.2355



28.0375, 0.3950, 0.4412

Square

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



28.0375, 0.2799, 0.2355



28.0375, 0.4423, 0.3549



28.0375, 0.3346, 0.4481



28.0375, 0.1984, 0.2812

Rectangle

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



28.0375, 0.2799, 0.2355



28.0375, 0.3899, 0.2903



28.0375, 0.3346, 0.4481



28.0375, 0.2364, 0.3677

Sweetspot

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



28.0386, 0.2799, 0.2355



82.2568, 0.3046, 0.3036



37.1068, 0.2591, 0.2848



17.1118, 0.3034, 0.2999



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.



28.0386, 0.2799, 0.2355



41.1923, 0.2707, 0.2131



32.0425, 0.3132, 0.2442



10.5201, 0.3053, 0.3056



4.1208, 0.1949, 0.0847



0.2380, 0.2187, 0.0978

Inverse Universe

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



31.2069, 0.3491, 0.2812



47.7400, 0.3601, 0.2706



47.5926, 0.3105, 0.4293



10.7319, 0.3206, 0.3165



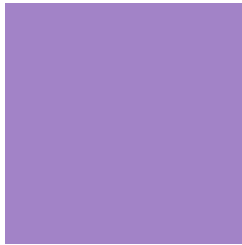
8.5266, 0.4753, 0.2392



0.4182, 0.4346, 0.2168

Previews

White Background



This preview shows how the Yxy color 28.0375, 0.2799, 0.2355 looks on a white background.

Color Contrast Check

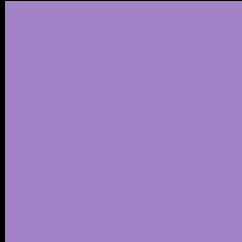
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0375, 0.2799, 0.2355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

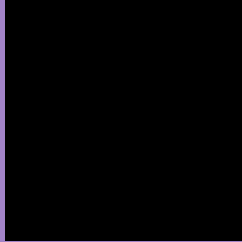
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0375, 0.2799, 0.2355

Background



This preview shows how black text looks on a background with the Yxy color 28.0375, 0.2799, 0.2355.



This preview shows how white text looks on a background with the Yxy color 28.0375, 0.2799, 0.2355.

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

28.0375, 0.2799, 0.2355

Protanopia

28.1110, 0.2417, 0.2325

Deuteranopia

28.3433, 0.2538, 0.2485



Tritanopia

28.1868, 0.3157, 0.3120

Trichromacy



Original Color

28.0375, 0.2799, 0.2355

Protanomaly

27.9031, 0.2538, 0.2328

Deuteranomaly

28.2052, 0.2624, 0.2434

Tritanomaly

27.9240, 0.3023, 0.2813

Monochromacy



Original Color

28.0375, 0.2799, 0.2355

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.9083, 0.3001, 0.2912

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0375, 0.2799, 0.2355 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(162, 131, 199)` looks like.

```
.text, #text, p{  
    color:rgb(162, 131, 199)  
}
```

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(162, 131, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 131, 199) }
```

Border

The CSS property to change the border of an element to Yxy 28.0375, 0.2799, 0.2355 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(162, 131, 199) }
```

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

```
.border{ border-color:rgb(162, 131, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 131, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 131, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 131, 199);  
box-shadow:4px 4px 4px 4px rgb(162, 131,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0375, 0.2799, 0.2355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 131, 199) }
```

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

```
.background{ background-color: rgb(162,  
131, 199) }
```

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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