

Converting Colors

$Y_{xy}(22.9244, 0.3200, 0.2500)$

Have a look what the booklet for
Yxy(22.9244, 0.3200, 0.2500)
contains.

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Color

Yxy(22.9244, 0.3200, 0.2500)

Conversions

Conversions Part 1

Format	Color
Hex	AA70A7
RGB	170, 112, 167
RGB Percent	67%, 44%, 65%
CMY	0.3334, 0.5607, 0.3452
CMYK	0.00, 0.34, 0.02, 0.33
HSL	303°, 25%, 55%
HSV	303°, 34%, 67%
XYZ	29.3432, 22.9244, 39.4300
YIQ	135.6120, 16.9130, 29.4010

Conversions

Conversions Part 2

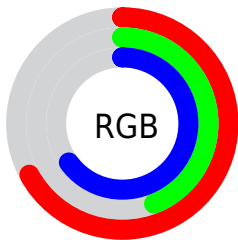
Format	Color
RYB	170, 112, 167
Decimal	11169959
CIELab	54.99, 31.92, -20.15
CIELCh	55, 37.749, 327.734
Yxy	22.9244, 0.3200, 0.2500
Android (android.graphics.Color)	4289360039 (0xFFAA70A7)
YUV	135.6120, 15.4743, 30.1583
Hunter-Lab	47.8794, 25.6059, -15.3113

Details

The Yxy color **22.9244, 0.3200, 0.2500** is a light color, and the websafe version is hex **996699**. A complement of this color would be **33.4281, 0.3058, 0.4232**, and the grayscale version is **24.4050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3529, 0.3192, 0.2661**, and **8.5747, 0.3211, 0.2256** is the 20% darker color. If you saturate the color by 10%, you get **19.4887, 0.3224, 0.2280**, and if you desaturate by 10%, it is **27.0705, 0.3177, 0.2732**.

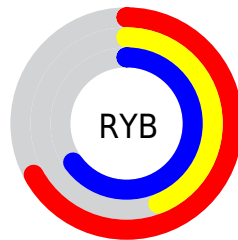
Distribution



Red (67%)

Green (44%)

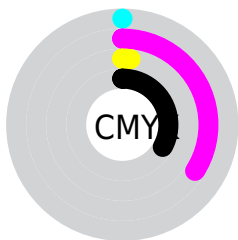
Blue (65%)



Red (67%)

Yellow (44%)

Blue (65%)

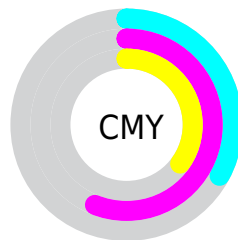


Cyan (0%)

Magenta (34%)

Yellow (2%)

Black (33%)



Cyan (33%)

Magenta (56%)


Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.9244, 0.3200, 0.2500 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 22.9244, 0.3200, 0.2500 by changing the saturation by 10% instead.


 22.9244, 0.3200,
0.2500


 22.9244, 0.3200,
0.2500


267.3365, 0.3170,
0.2914


 14.5377, 0.3205,
0.2391


 48.2692, 0.3191,
0.2655


 8.4956, 0.3208,
0.2247


 65.9960, 0.3187,
0.2712

 4.4137, 0.3209,
0.2051


 87.6050, 0.3183,
0.2759

 1.9075, 0.3199,
0.1770

 113.4806, 0.3180,
0.2800

 0.5529, 0.3182,
0.1262

144.0071, 0.3177,
0.2834

 0.0000, 0.2387,
0.0000

179.5690, 0.3175,

 0.0000, 0.0000,

0.2865

0.0000

220.5507, 0.3172,
0.2891

■ 22.9244, 0.3200,
0.2500

■ 22.9244, 0.3200,
0.2500

■ 19.4887, 0.3224,
0.2280

■ 27.0705, 0.3177,
0.2732

■ 16.7205, 0.3248,
0.2080

■ 31.9608, 0.3155,
0.2966

■ 14.5768, 0.3272,
0.1910


■ 37.6305, 0.3135,
0.3197


■ 13.0084, 0.3294,
0.1776

■ 44.1119, 0.3117,
0.3420


■ 11.9588, 0.3315,
0.1684

■ 51.4352, 0.3100,
0.3630


 11.3602, 0.3332,
0.1633

 59.6293, 0.3086,
0.3826

 11.1243, 0.3342,
0.1615

 68.7215, 0.3073,
0.4006

 78.7381, 0.3062,
0.4172

 83.1559, 0.3055,
0.4229

Harmonies

Analogous

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



22.9244, 0.2572, 0.2288



22.9244, 0.3200, 0.2500



22.9244, 0.3875, 0.2877

Triad

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



22.9244, 0.3200, 0.2500



22.9244, 0.4148, 0.4301



22.9244, 0.2036, 0.3030

Complementary

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



22.9244, 0.3200, 0.2500



33.4281, 0.3058, 0.4232

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.



22.9244, 0.2381, 0.3717



22.9244, 0.3200, 0.2500



22.9244, 0.3595, 0.4516

Square

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



22.9244, 0.3200, 0.2500



22.9244, 0.4442, 0.3860



22.9244, 0.2947, 0.4315



22.9244, 0.1958, 0.2527

Rectangle

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



22.9244, 0.3200, 0.2500



22.9244, 0.4229, 0.3188



22.9244, 0.2947, 0.4315



22.9244, 0.2122, 0.3248

Sweetspot

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



22.9254, 0.3200, 0.2500



61.8640, 0.3147, 0.3058



18.1321, 0.2555, 0.2304



13.4904, 0.3150, 0.3026



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.



22.9254, 0.3200, 0.2500



36.7265, 0.3218, 0.2330



21.9739, 0.3555, 0.2897



7.6598, 0.3145, 0.3079



8.1872, 0.3341, 0.1614



0.2012, 0.3293, 0.1588

Inverse Universe

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



22.9254, 0.3200, 0.2500



36.7265, 0.3218, 0.2330



34.2004, 0.2840, 0.3723



7.6598, 0.3145, 0.3079



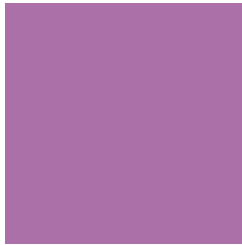
8.1872, 0.3341, 0.1614



0.2012, 0.3293, 0.1588

Previews

White Background



This preview shows how the Yxy color 22.9244, 0.3200, 0.2500 looks on a white background.

Color Contrast Check

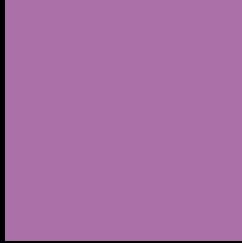
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9244, 0.3200, 0.2500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

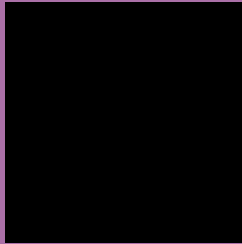
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9244, 0.3200, 0.2500

Background



This preview shows how black text looks on a background with the Yxy color 22.9244, 0.3200, 0.2500.



This preview shows how white text looks on a background with the Yxy color 22.9244, 0.3200, 0.2500.

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

22.9244, 0.3200, 0.2500

Protanopia

23.0425, 0.2533, 0.2478

Deuteranopia

23.0480, 0.2778, 0.2712



Tritanopia

23.0173, 0.3586, 0.3151

Trichromacy



Original Color

22.9244, 0.3200, 0.2500

Protanomaly

22.4953, 0.2743, 0.2471

Deuteranomaly

22.8118, 0.2922, 0.2627

Tritanomaly

22.9212, 0.3443, 0.2896

Monochromacy



Original Color

22.9244, 0.3200, 0.2500

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

23.5812, 0.3154, 0.2967

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9244, 0.3200, 0.2500 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(170, 112, 167)` looks like.

```
.text, #text, p{  
    color:rgb(170, 112, 167)  
}
```

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(170, 112, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 112, 167) }
```

Border

The CSS property to change the border of an element to Yxy 22.9244, 0.3200, 0.2500 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(170, 112, 167) }
```

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

```
.border{ border-color:rgb(170, 112, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 112, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 112, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 112, 167);  
box-shadow:4px 4px 4px 4px rgb(170, 112,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9244, 0.3200, 0.2500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 112, 167) }
```

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

```
.background{ background-color: rgb(170,  
112, 167) }
```

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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