

Converting Colors

$Y_{xy}(24.2029, 0.3116, 0.2550)$

Have a look what the booklet for
Yxy(24.2029, 0.3116, 0.2550)
contains.

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Color

Yxy(24.2029, 0.3116, 0.2550)

Conversions

Conversions Part 1

Format	Color
Hex	A677AA
RGB	166, 119, 170
RGB Percent	65%, 47%, 67%
CMY	0.3491, 0.5333, 0.3334
CMYK	0.02, 0.30, 0.00, 0.33
HSL	295°, 23%, 57%
HSV	295°, 30%, 67%
XYZ	29.5750, 24.2029, 41.1354
YIQ	138.8670, 11.6410, 25.8250

Conversions

Conversions Part 2

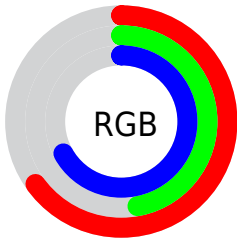
Format	Color
RYB	166, 119, 170
Decimal	10909610
CIELab	56.29, 27.22, -19.94
CIELCh	56, 33.745, 323.771
Yxy	24.2029, 0.3116, 0.2550
Android (android.graphics.Color)	4289099690 (0xFFA677AA)
YUV	138.8670, 15.3486, 23.7956
Hunter-Lab	49.1964, 21.2135, -15.1376

Details

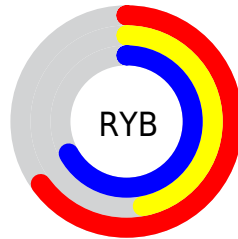
The Yxy color $24.2029, 0.3116, 0.2550$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $34.2879, 0.3122, 0.4137$, and the grayscale version is $25.7018, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.4709, 0.3129, 0.2701$, and $9.1990, 0.3088, 0.2315$ is the 20% darker color. If you saturate the color by 10%, you get $20.3695, 0.3108, 0.2306$, and if you desaturate by 10%, it is $28.7636, 0.3122, 0.2800$.

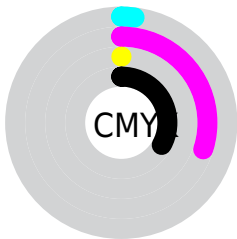
Distribution



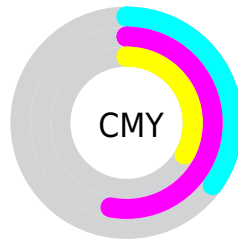
- Red (65%)
- Green (47%)
- Blue (67%)



- Red (65%)
- Yellow (47%)
- Blue (67%)



- Cyan (2%)
- Magenta (30%)
- Yellow (0%)
- Black (33%)





- Cyan (35%)
- Magenta (53%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2029, 0.3116, 0.2550 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 24.2029, 0.3116, 0.2550 by changing the saturation by 10% instead.


 24.2029, 0.3116,
0.2550


 24.2029, 0.3116,
0.2550


273.8447, 0.3131,
0.2937


 15.4842, 0.3109,
0.2448


 50.3611, 0.3124,
0.2695

 9.1599, 0.3097,
0.2314


 68.5694, 0.3126,
0.2748

 4.8456, 0.3076,
0.2131


 90.7097, 0.3128,
0.2792

 2.1570, 0.3035,
0.1868

117.1663, 0.3129,
0.2830

 0.6964, 0.2952,
0.1442

148.3238, 0.3129,
0.2863

 0.0000, 0.2245,
0.0000

184.5664, 0.3130,

 0.0000, 0.0000,

0.2891

0.0000

226.2785, 0.3130,
0.2915

■ 24.2029, 0.3116,
0.2550

■ 24.2029, 0.3116,
0.2550

■ 20.3695, 0.3108,
0.2306

■ 28.7636, 0.3122,
0.2800

■ 17.2215, 0.3097,
0.2078

■ 34.0841, 0.3125,
0.3049

■ 14.7180, 0.3084,
0.1874


■ 40.1989, 0.3127,
0.3290


■ 12.8121, 0.3069,
0.1705


■ 47.1392, 0.3127,
0.3519


■ 11.4506, 0.3052,
0.1575


■ 54.9348, 0.3127,
0.3733

 10.5710, 0.3033,
0.1488


 63.6139, 0.3125,
0.3931

 10.0354, 0.3014,
0.1434

 73.2033, 0.3122,
0.4112

 10.0348, 0.3014,
0.1434

 83.7283, 0.3119,
0.4277

 83.8853, 0.3127,
0.4275

Harmonies

Analogous

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



24.2029, 0.2575, 0.2383



24.2029, 0.3116, 0.2550



24.2029, 0.3712, 0.2874

Triad

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



24.2029, 0.3116, 0.2550



24.2029, 0.4085, 0.4150



24.2029, 0.2185, 0.3144

Complementary

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



24.2029, 0.3116, 0.2550



34.2879, 0.3122, 0.4137

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.



24.2029, 0.2528, 0.3744



24.2029, 0.3116, 0.2550



24.2029, 0.3623, 0.4358

Square

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



24.2029, 0.3116, 0.2550



24.2029, 0.4296, 0.3753



24.2029, 0.3051, 0.4223



24.2029, 0.2079, 0.2668

Rectangle

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



24.2029, 0.3116, 0.2550



24.2029, 0.4042, 0.3150



24.2029, 0.3051, 0.4223



24.2029, 0.2274, 0.3340

Sweetspot

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



24.2040, 0.3116, 0.2550



62.7123, 0.3126, 0.3069



21.0552, 0.2618, 0.2508



13.6560, 0.3125, 0.3035



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.



24.2040, 0.3116, 0.2550



39.1429, 0.3111, 0.2386



23.9029, 0.3405, 0.2848



7.6363, 0.3126, 0.3067



7.3942, 0.3016, 0.1435



0.1884, 0.3084, 0.1473

Inverse Universe

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



23.1714, 0.3729, 0.3231



36.9932, 0.3923, 0.3217



34.5677, 0.2923, 0.3779



7.5515, 0.3274, 0.3273



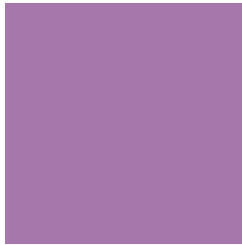
6.3122, 0.6293, 0.3241



0.1565, 0.5852, 0.2997

Previews

White Background



This preview shows how the Yxy color 24.2029, 0.3116, 0.2550 looks on a white background.

Color Contrast Check

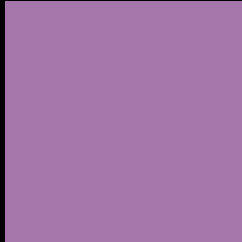
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2029, 0.3116, 0.2550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

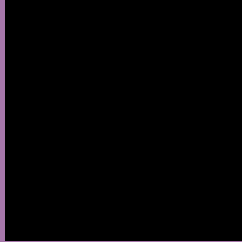
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2029, 0.3116, 0.2550

Background



This preview shows how black text looks on a background with the Yxy color 24.2029, 0.3116, 0.2550.



This preview shows how white text looks on a background with the Yxy color 24.2029, 0.3116, 0.2550.

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

24.2029, 0.3116, 0.2550

Protanopia

24.5240, 0.2578, 0.2540

Deuteranopia

24.1981, 0.2784, 0.2723



Tritanopia

24.2480, 0.3446, 0.3150

Trichromacy



Original Color

24.2029, 0.3116, 0.2550

Protanomaly

24.2781, 0.2752, 0.2544

Deuteranomaly

23.9352, 0.2894, 0.2648

Tritanomaly

24.0906, 0.3324, 0.2908

Monochromacy



Original Color

24.2029, 0.3116, 0.2550

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.0941, 0.3129, 0.3003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2029, 0.3116, 0.2550 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(166, 119, 170)` looks like.

```
.text, #text, p{  
    color:rgb(166, 119, 170)  
}
```

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(166, 119, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 119, 170) }
```

Border

The CSS property to change the border of an element to Yxy 24.2029, 0.3116, 0.2550 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(166, 119, 170) }
```

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

```
.border{ border-color:rgb(166, 119, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 119, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 119, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 119, 170);  
box-shadow:4px 4px 4px 4px rgb(166, 119,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2029, 0.3116, 0.2550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 119, 170) }
```

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

```
.background{ background-color: rgb(166,  
119, 170) }
```

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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