

Converting Colors

$Y_{xy}(23.5077, 0.2996, 0.2415)$

Have a look what the booklet for
Yxy(23.5077, 0.2996, 0.2415)
contains.

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Color

Yxy(23.5783, 0.2998, 0.2421)

Conversions

Conversions Part 1

Format	Color
Hex	A275B1
RGB	162, 117, 177
RGB Percent	64%, 46%, 69%
CMY	0.3647, 0.5412, 0.3058
CMYK	0.08, 0.34, 0.00, 0.31
HSL	285°, 28%, 58%
HSV	285°, 34%, 69%
XYZ	29.1977, 23.5783, 44.6147
YIQ	137.2950, 7.5600, 28.2000

Conversions

Conversions Part 2

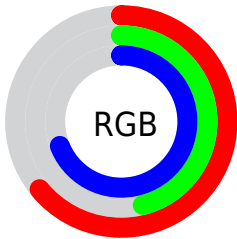
Format	Color
R_{YB}	162, 117, 177
Decimal	10646961
CIE _{Lab}	55.66, 28.48, -24.99
CIE _{LCh}	56, 37.889, 318.730
Yxy	23.5783, 0.2998, 0.2421
Android (android.graphics.Color)	4288837041 (0xFFA275B1)
YUV	137.2950, 19.5746, 21.6663
Hunter-Lab	48.5575, 22.3569, -20.4855

Details

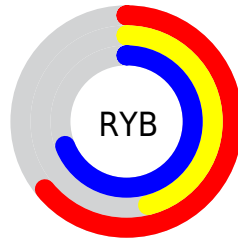
The Yxy color **23.5783, 0.2998, 0.2421** is a light color, and the websafe version is hex **996699**. A complement of this color would be **37.6421, 0.3208, 0.4244**, and the grayscale version is **25.0566, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5381, 0.3034, 0.2592**, and **8.8407, 0.2930, 0.2157** is the 20% darker color. If you saturate the color by 10%, you get **19.3811, 0.2946, 0.2159**, and if you desaturate by 10%, it is **28.5738, 0.3044, 0.2686**.

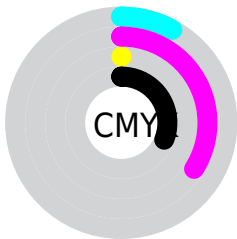
Distribution



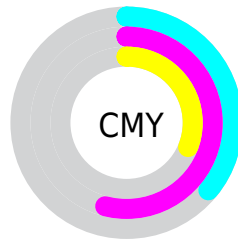
- Red (64%)
- Green (46%)
- Blue (69%)



- Red (64%)
- Yellow (46%)
- Blue (69%)



- Cyan (8%)
- Magenta (34%)
- Yellow (0%)
- Black (31%)




- Cyan (36%)
- Magenta (54%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5783, 0.2998, 0.2421 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 23.5783, 0.2998, 0.2421 by changing the saturation by 10% instead.


 23.5783, 0.2998,
0.2421


 23.5783, 0.2998,
0.2421


270.6815, 0.3079,
0.2873


 15.0211, 0.2971,
0.2303


 49.3412, 0.3032,
0.2589

 8.8342, 0.2933,
0.2150


 67.3156, 0.3044,
0.2651

 4.6332, 0.2873,
0.1944


 89.1979, 0.3053,
0.2703

 2.0337, 0.2773,
0.1652

115.3725, 0.3060,
0.2747

 0.6269, 0.2596,
0.1183

146.2238, 0.3066,
0.2785

 0.0000, 0.1606,
0.0000

182.1361, 0.3071,

 0.0000, 0.0000,

0.2818

0.0000

223.4939, 0.3076,
0.2847

■ 23.5783, 0.2998,
0.2421

■ 23.5783, 0.2998,
0.2421

■ 19.3811, 0.2946,
0.2159

■ 28.5738, 0.3044,
0.2686

■ 15.9350, 0.2887,
0.1910

■ 34.4054, 0.3083,
0.2947

■ 13.1923, 0.2824,
0.1685


■ 41.1121, 0.3116,
0.3197


■ 11.0985, 0.2758,
0.1495


■ 48.7294, 0.3143,
0.3431


■ 9.5912, 0.2691,
0.1347

■ 57.2910, 0.3165,
0.3648


 8.5950, 0.2625,
0.1245

 66.8288, 0.3182,
0.3848

 8.1382, 0.2585,
0.1198

 77.3731, 0.3195,
0.4029

 86.6244, 0.3209,
0.4159

 87.2330, 0.3237,
0.4152

Harmonies

Analogous

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



23.5783, 0.2422, 0.2269



23.5783, 0.2998, 0.2421



23.5783, 0.3679, 0.2753

Triad

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



23.5783, 0.2998, 0.2421



23.5783, 0.4265, 0.4179



23.5783, 0.2117, 0.3226

Complementary

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



23.5783, 0.2998, 0.2421



37.6421, 0.3208, 0.4244

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.



23.5783, 0.2536, 0.3919



23.5783, 0.2998, 0.2421



23.5783, 0.3776, 0.4481

Square

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



23.5783, 0.2998, 0.2421



23.5783, 0.4451, 0.3709



23.5783, 0.3141, 0.4417



23.5783, 0.1959, 0.2655

Rectangle

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



23.5783, 0.2998, 0.2421



23.5783, 0.4080, 0.3045



23.5783, 0.3141, 0.4417



23.5783, 0.2229, 0.3457

Sweetspot

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



23.5793, 0.2998, 0.2421



65.9014, 0.3096, 0.3042



23.7340, 0.2563, 0.2570



13.9348, 0.3091, 0.3007



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.



23.5793, 0.2998, 0.2421



36.2411, 0.2958, 0.2216



24.7171, 0.3323, 0.2640



8.5375, 0.3099, 0.3063



5.9250, 0.2592, 0.1201



0.2120, 0.2773, 0.1301

Inverse Universe

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



23.7389, 0.3707, 0.3071



36.6832, 0.3905, 0.3019



36.8713, 0.2978, 0.4043



8.5390, 0.3249, 0.3233



6.9141, 0.5895, 0.3021



0.2271, 0.5101, 0.2584

Previews

White Background



This preview shows how the Yxy color 23.5783, 0.2998, 0.2421 looks on a white background.

Color Contrast Check

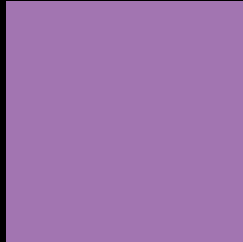
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5783, 0.2998, 0.2421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

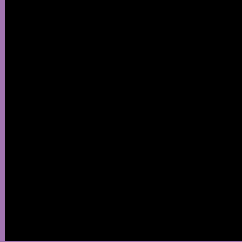
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5783, 0.2998, 0.2421

Background



This preview shows how black text looks on a background with the Yxy color 23.5783, 0.2998, 0.2421.



This preview shows how white text looks on a background with the Yxy color 23.5783, 0.2998, 0.2421.

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

23.5783, 0.2998, 0.2421

Protanopia

23.8464, 0.2471, 0.2402

Deuteranopia

23.6486, 0.2655, 0.2593



Tritanopia

23.4844, 0.3388, 0.3131

Trichromacy



Original Color

23.5783, 0.2998, 0.2421

Protanomaly

23.6260, 0.2642, 0.2409

Deuteranomaly

23.4201, 0.2767, 0.2523

Tritanomaly

23.3902, 0.3243, 0.2855

Monochromacy



Original Color

23.5783, 0.2998, 0.2421

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.3433, 0.3076, 0.2936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5783, 0.2998, 0.2421 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, 117, 177)` looks like.

```
.text, #text, p{  
    color:rgb(162, 117, 177)  
}
```

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, 117, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 117, 177) }
```

Border

The CSS property to change the border of an element to Yxy 23.5783, 0.2998, 0.2421 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, 117, 177) }
```

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

```
.border{ border-color:rgb(162, 117, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 117, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 117, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 117, 177); box-shadow:4px 4px 4px 4px rgb(162, 117, 177) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5783, 0.2998, 0.2421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 117, 177) }
```

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

```
.background{ background-color: rgb(162,  
117, 177) }
```

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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