

Converting Colors

$Y_{xy}(15.2687, 0.2922, 0.2247)$

Have a look what the booklet for
Yxy(15.2687, 0.2922, 0.2247)
contains.

Yxy(15.2551, 0.2924, 0.2241)	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(15.2551, 0.2924, 0.2241)

Conversions

Conversions Part 1

Format	Color
Hex	885C9B
RGB	136, 92, 155
RGB Percent	53%, 36%, 61%
CMY	0.4665, 0.6393, 0.3921
CMYK	0.12, 0.41, 0.00, 0.39
HSL	282°, 26%, 48%
HSV	282°, 41%, 61%
XYZ	19.9045, 15.2551, 32.9132
YIQ	112.3380, 6.0010, 28.9210

Conversions

Conversions Part 2

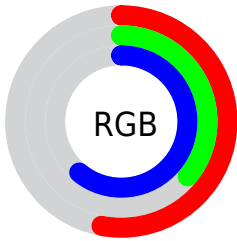
Format	Color
R_{YB}	136, 92, 155
Decimal	8936603
CIE _{Lab}	45.98, 29.76, -27.36
CIE _{LCh}	46, 40.425, 317.405
Yxy	15.2551, 0.2924, 0.2241
Android (android.graphics.Color)	4287126683 (0xFF885C9B)
YUV	112.3380, 21.0324, 20.7516
Hunter-Lab	39.0578, 22.6153, -22.6220

Details

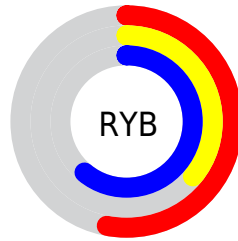
The Yxy color **15.2551, 0.2924, 0.2241** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **27.5961, 0.3249, 0.4438**, and the grayscale version is **16.2440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2452, 0.2976, 0.2457**, and **4.7119, 0.2818, 0.1872** is the 20% darker color. If you saturate the color by 10%, you get **12.4580, 0.2855, 0.1981**, and if you desaturate by 10%, it is **18.6200, 0.2986, 0.2509**.

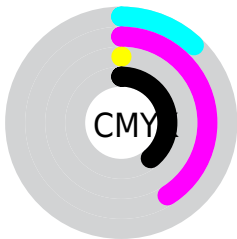
Distribution



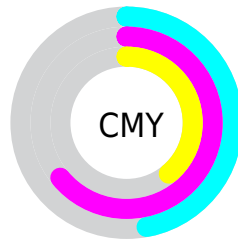
- Red (53%)
- Green (36%)
- Blue (61%)



- Red (53%)
- Yellow (36%)
- Blue (61%)



- Cyan (12%)
- Magenta (41%)
- Yellow (0%)
- Black (39%)





- Cyan (47%)
- Magenta (64%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2551, 0.2924, 0.2241 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 15.2551, 0.2924, 0.2241 by changing the saturation by 10% instead.


 15.2551, 0.2924,
0.2241


 15.2551, 0.2924,
0.2241


224.9051, 0.3057,
0.2815

 8.9986, 0.2877,
0.2082


 35.3001, 0.2982,
0.2461


 4.7403, 0.2805,
0.1869


 49.8574, 0.3000,
0.2541

 2.0957, 0.2688,
0.1573

 67.9504, 0.3015,
0.2606

 0.6622, 0.2482,
0.1120

 89.9635, 0.3027,
0.2661

 0.0000, 0.1677,
0.0000

116.2812, 0.3036,
0.2708

 0.0000, 0.0000,
0.0000

147.2877, 0.3044,

0.2749

183.3676, 0.3051,
0.2784

■ 15.2551, 0.2924,
0.2241

■ 15.2551, 0.2924,
0.2241

■ 12.4580, 0.2855,
0.1981

■ 18.6200, 0.2986,
0.2509

■ 10.1928, 0.2780,
0.1739

■ 22.5818, 0.3040,
0.2774

■ 8.4223, 0.2702,
0.1526


■ 27.1700, 0.3086,
0.3031


■ 7.1040, 0.2621,
0.1352

■ 32.4114, 0.3125,
0.3274

■ 6.1875, 0.2542,
0.1223


■ 38.3316, 0.3157,
0.3501

 5.5798, 0.2470,
0.1134

 44.9542, 0.3183,
0.3709

 52.3023, 0.3204,
0.3899

 60.3974, 0.3221,
0.4072

 69.2605, 0.3234,
0.4227

Harmonies

Analogous

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



15.2551, 0.2247, 0.2070



15.2551, 0.2924, 0.2241



15.2551, 0.3763, 0.2619

Triad

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



15.2551, 0.2924, 0.2241



15.2551, 0.4514, 0.4308



15.2551, 0.1922, 0.3229

Complementary

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



15.2551, 0.2924, 0.2241



27.5961, 0.3249, 0.4438

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.



15.2551, 0.2422, 0.4116



15.2551, 0.2924, 0.2241



15.2551, 0.3918, 0.4736

Square

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



15.2551, 0.2924, 0.2241



15.2551, 0.4747, 0.3728



15.2551, 0.3153, 0.4727



15.2551, 0.1735, 0.2524

Rectangle

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



15.2551, 0.2924, 0.2241



15.2551, 0.4274, 0.2956



15.2551, 0.3153, 0.4727



15.2551, 0.2055, 0.3522

Sweetspot

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



15.2557, 0.2924, 0.2241



47.2847, 0.3079, 0.2992



16.2157, 0.2456, 0.2471



10.4732, 0.3074, 0.2962



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



15.2557, 0.2924, 0.2241



22.6305, 0.2860, 0.1999



16.6172, 0.3326, 0.2474



6.2304, 0.3092, 0.3067



4.5011, 0.2476, 0.1138



0.0859, 0.2819, 0.1326

Inverse Universe

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



15.7663, 0.3815, 0.2976



23.8065, 0.4059, 0.2908



26.7124, 0.2979, 0.4276



6.2517, 0.3239, 0.3223



5.7657, 0.5705, 0.2916



0.0921, 0.4657, 0.2339

Previews

White Background



This preview shows how the Yxy color 15.2551, 0.2924, 0.2241 looks on a white background.

Color Contrast Check

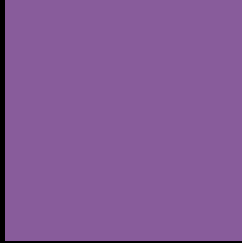
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 15.2551, 0.2924, 0.2241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

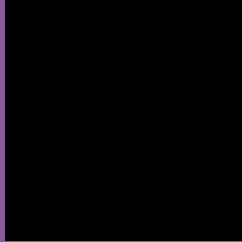
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.2551, 0.2924, 0.2241

Background



This preview shows how black text looks on a background with the Yxy color 15.2551, 0.2924, 0.2241.



This preview shows how white text looks on a background with the Yxy color 15.2551, 0.2924, 0.2241.

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

15.2551, 0.2924, 0.2241

Protanopia

15.4173, 0.2305, 0.2174

Deuteranopia

15.4250, 0.2499, 0.2447



Tritanopia

15.2957, 0.3410, 0.3138

Trichromacy



Original Color

15.2551, 0.2924, 0.2241

Protanomaly

15.1503, 0.2491, 0.2195

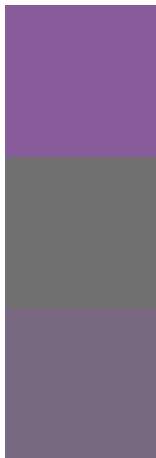
Deuteranomaly

15.1176, 0.2637, 0.2354

Tritanomaly

15.1473, 0.3237, 0.2778

Monochromacy



Original Color

15.2551, 0.2924, 0.2241

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.7266, 0.3053, 0.2853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2551, 0.2924, 0.2241 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(136, 92, 155)` looks like.

```
.text, #text, p{  
  color:rgb(136, 92, 155)  
}
```

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(136, 92, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 92, 155) }
```

Border

The CSS property to change the border of an element to Yxy 15.2551, 0.2924, 0.2241 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(136, 92, 155) }
```

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

```
.border{ border-color:rgb(136, 92, 155) }
```

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

Here you see how a box with a 4 pixel rgb(136, 92, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 92, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 92, 155);  
box-shadow:4px 4px 4px 4px rgb(136, 92,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2551, 0.2924, 0.2241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 92, 155) }
```

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

```
.background{ background-color: rgb(136, 92,  
155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor