

Converting Colors

$Y_{xy}(27.7378, 0.2896, 0.2440)$

Have a look what the booklet for
Yxy(27.7378, 0.2896, 0.2440)
contains.

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Color

Yxy(27.7262, 0.2898, 0.2442)

Conversions

Conversions Part 1

Format	Color
Hex	A582BF
RGB	165, 130, 191
RGB Percent	65%, 51%, 75%
CMY	0.3529, 0.4902, 0.2510
CMYK	0.14, 0.32, 0.00, 0.25
HSL	274°, 32%, 63%
HSV	274°, 32%, 75%
XYZ	32.9036, 27.7262, 52.9091
YIQ	147.4190, 1.2790, 26.3910

Conversions

Conversions Part 2

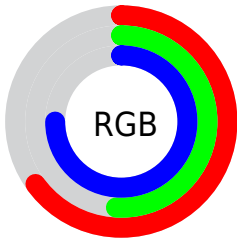
Format	Color
R _Y B	165, 130, 191
Decimal	10846911
CIE Lab	59.64, 25.04, -26.82
CIE LCh	60, 36.695, 313.035
Yxy	27.7262, 0.2898, 0.2442
Android (android.graphics.Color)	4289036991 (0xFFA582BF)
YUV	147.4190, 21.4854, 15.4185
Hunter-Lab	52.6557, 19.3940, -22.7164

Details

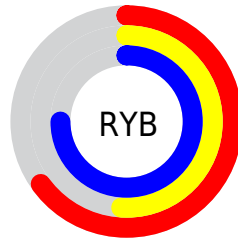
The Yxy color **27.7262, 0.2898, 0.2442** is a light color, and the websafe version is hex **996699**. A complement of this color would be **45.9435, 0.3295, 0.4162**, and the grayscale version is **29.2696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0164, 0.2949, 0.2594**, and **10.9882, 0.2808, 0.2193** is the 20% darker color. If you saturate the color by 10%, you get **22.2634, 0.2804, 0.2156**, and if you desaturate by 10%, it is **34.1901, 0.2982, 0.2723**.

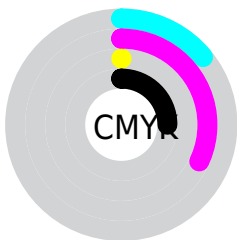
Distribution



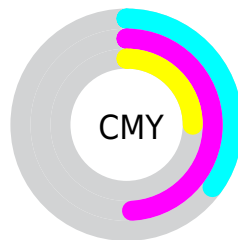
- Red (65%)
- Green (51%)
- Blue (75%)



- Red (65%)
- Yellow (51%)
- Blue (75%)



- Cyan (14%)
- Magenta (32%)
- Yellow (0%)
- Black (25%)



- Cyan (35%)
- Magenta (49%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7262, 0.2898, 0.2442 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 27.7262, 0.2898, 0.2442 by changing the saturation by 10% instead.


 27.7262, 0.2898,
0.2442


 27.7262, 0.2898,
0.2442


291.1563, 0.3029,
0.2874


 18.1194, 0.2860,
0.2333


 56.0470, 0.2950,
0.2600

 11.0357, 0.2807,
0.2192


 75.5298, 0.2968,
0.2659

 6.0909, 0.2731,
0.2005


 99.0733, 0.2983,
0.2709

 2.9004, 0.2613,
0.1747

127.0620, 0.2995,
0.2752

 1.0800, 0.2413,
0.1375

159.8802, 0.3006,
0.2789

 0.0000, 0.2131,
0.0000

197.9124, 0.3015,

 0.0000, 0.0000,

0.2821

0.0000

241.5430, 0.3023,
0.2849

■ 27.7262, 0.2898,
0.2442

■ 27.7262, 0.2898,
0.2442

■ 22.2634, 0.2804,
0.2156

■ 34.1901, 0.2982,
0.2723

■ 17.7448, 0.2700,
0.1874

■ 41.7008, 0.3054,
0.2992

■ 14.1132, 0.2589,
0.1611


■ 50.3054, 0.3116,
0.3244


■ 11.3036, 0.2474,
0.1379


■ 60.0470, 0.3168,
0.3475


■ 9.2413, 0.2361,
0.1189

■ 70.9664, 0.3212,
0.3686


 7.8379, 0.2254,
0.1051

 83.1024, 0.3248,
0.3876

 7.0499, 0.2172,
0.0970

 90.8107, 0.3288,
0.3966

 92.1276, 0.3342,
0.3955

 93.5075, 0.3396,
0.3943

Harmonies

Analogous

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



27.7262, 0.2396, 0.2338



27.7262, 0.2898, 0.2442



27.7262, 0.3518, 0.2724

Triad

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



27.7262, 0.2898, 0.2442



27.7262, 0.4236, 0.4045



27.7262, 0.2251, 0.3355

Complementary

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



27.7262, 0.2898, 0.2442



45.9435, 0.3295, 0.4162

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.



27.7262, 0.2683, 0.3972



27.7262, 0.2898, 0.2442



27.7262, 0.3832, 0.4355

Square

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



27.7262, 0.2898, 0.2442



27.7262, 0.4335, 0.3598



27.7262, 0.3261, 0.4360



27.7262, 0.2053, 0.2794

Rectangle

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



27.7262, 0.2898, 0.2442



27.7262, 0.3906, 0.2986



27.7262, 0.3261, 0.4360



27.7262, 0.2371, 0.3568

Sweetspot

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



27.7274, 0.2898, 0.2442



77.2780, 0.3066, 0.3038



32.4317, 0.2614, 0.2773



16.5125, 0.3057, 0.3001



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



27.7274, 0.2898, 0.2442



42.9425, 0.2836, 0.2251



30.6282, 0.3205, 0.2554



9.4882, 0.3071, 0.3059



4.6812, 0.2185, 0.0977



0.2212, 0.2428, 0.1111

Inverse Universe

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



29.4436, 0.3541, 0.2939



46.6066, 0.3662, 0.2863



43.7324, 0.3056, 0.4157



9.6021, 0.3223, 0.3193



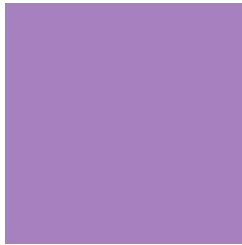
7.6893, 0.5242, 0.2661



0.3143, 0.4636, 0.2328

Previews

White Background



This preview shows how the Yxy color 27.7262, 0.2898, 0.2442 looks on a white background.

Color Contrast Check

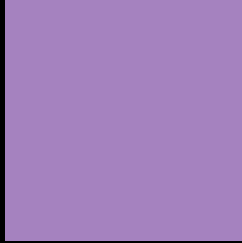
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7262, 0.2898, 0.2442 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 27.7262, 0.2898, 0.2442

Background



This preview shows how black text looks on a background with the Yxy color 27.7262, 0.2898, 0.2442.



This preview shows how white text looks on a background with the Yxy color 27.7262, 0.2898, 0.2442.

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

27.7262, 0.2898, 0.2442

Protanopia

27.9518, 0.2492, 0.2427

Deuteranopia

27.7104, 0.2626, 0.2564



Tritanopia

27.6160, 0.3234, 0.3121

Trichromacy



Original Color

27.7262, 0.2898, 0.2442

Protanomaly

27.7836, 0.2621, 0.2429

Deuteranomaly

27.6288, 0.2719, 0.2511

Tritanomaly

27.5853, 0.3115, 0.2858

Monochromacy



Original Color

27.7262, 0.2898, 0.2442

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.5641, 0.3049, 0.2956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7262, 0.2898, 0.2442 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(165, 130, 191)` looks like.

```
.text, #text, p{  
    color:rgb(165, 130, 191)  
}
```

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(165, 130, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 130, 191) }
```

Border

The CSS property to change the border of an element to Yxy 27.7262, 0.2898, 0.2442 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(165, 130, 191) }
```

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

```
.border{ border-color:rgb(165, 130, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 130, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 130, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 130, 191);  
box-shadow:4px 4px 4px 4px rgb(165, 130,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7262, 0.2898, 0.2442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 130, 191) }
```

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

```
.background{ background-color: rgb(165,  
130, 191) }
```

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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