

Converting Colors

$Y_{xy}(27.2756, 0.2753, 0.2246)$

Have a look what the booklet for
Yxy(27.2756, 0.2753, 0.2246)
contains.

Yxy(27.2198, 0.2754, 0.2245)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.2198, 0.2754, 0.2245)

Conversions

Conversions Part 1

Format	Color
Hex	A27FCC
RGB	162, 127, 204
RGB Percent	64%, 50%, 80%
CMY	0.3647, 0.5020, 0.1999
CMYK	0.21, 0.38, 0.00, 0.20
HSL	267°, 43%, 65%
HSV	267°, 38%, 80%
XYZ	33.3912, 27.2198, 60.6353
YIQ	146.2430, -3.8570, 31.3670

Conversions

Conversions Part 2

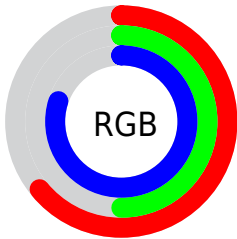
Format	Color
RYB	162, 127, 204
Decimal	10649548
CIELab	59.18, 28.77, -34.93
CIElCh	59, 45.249, 309.472
Yxy	27.2198, 0.2754, 0.2245
Android (android.graphics.Color)	4288839628 (0xFFA27FCC)
YUV	146.2430, 28.4742, 13.8189
Hunter-Lab	52.1726, 22.9406, -32.3864

Details

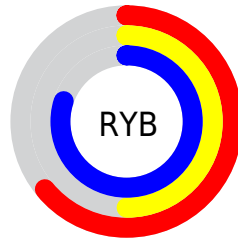
The Yxy color **27.2198, 0.2754, 0.2245** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **53.1663, 0.3395, 0.4319**, and the grayscale version is **28.7324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7679, 0.2878, 0.2491**, and **10.7289, 0.2622, 0.1956** is the 20% darker color. If you saturate the color by 10%, you get **21.3594, 0.2624, 0.1942**, and if you desaturate by 10%, it is **34.2526, 0.2872, 0.2544**.

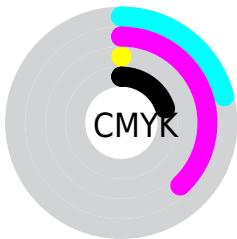
Distribution



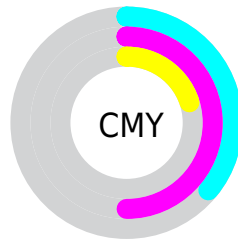
- Red (64%)
- Green (50%)
- Blue (80%)



- Red (64%)
- Yellow (50%)
- Blue (80%)



- Cyan (21%)
- Magenta (38%)
- Yellow (0%)
- Black (20%)




- Cyan (36%)
- Magenta (50%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2198, 0.2754, 0.2245 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 27.2198, 0.2754, 0.2245 by changing the saturation by 10% instead.


 27.2198, 0.2754,
0.2245


 27.2198, 0.2754,
0.2245


288.7198, 0.2964,
0.2769


 17.7384, 0.2694,
0.2116


 55.2364, 0.2836,
0.2435

 10.7623, 0.2614,
0.1953


 74.5403, 0.2865,
0.2506

 5.9072, 0.2501,
0.1740


 97.8872, 0.2889,
0.2567

 2.7888, 0.2332,
0.1457

125.6614, 0.2909,
0.2619

 1.0225, 0.2064,
0.1073

158.2474, 0.2926,
0.2664

 0.0000, 0.1655,
0.0000

196.0295, 0.2941,

 0.0000, 0.0000,

0.2704

0.0000

239.3922, 0.2953,
0.2738

■ 27.2198, 0.2754,
0.2245

■ 27.2198, 0.2754,
0.2245

■ 21.3594, 0.2624,
0.1942

■ 34.2526, 0.2872,
0.2544

■ 16.6005, 0.2486,
0.1649

■ 42.5164, 0.2976,
0.2831

■ 12.8698, 0.2343,
0.1381


■ 52.0698, 0.3066,
0.3098

■ 10.0828, 0.2203,
0.1153


■ 62.9666, 0.3143,
0.3343

■ 8.1413, 0.2072,
0.0979


■ 75.2573, 0.3209,
0.3565

 6.9051, 0.1956,
0.0860

 88.9902, 0.3264,
0.3765

 6.6735, 0.1931,
0.0838

 94.3912, 0.3330,
0.3807

 96.3984, 0.3403,
0.3794

 97.1408, 0.3430,
0.3790

Harmonies

Analogous

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



27.2198, 0.2182, 0.2145



27.2198, 0.2754, 0.2245



27.2198, 0.3511, 0.2555

Triad

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



27.2198, 0.2754, 0.2245



27.2198, 0.4516, 0.4117



27.2198, 0.2103, 0.3452

Complementary

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



27.2198, 0.2754, 0.2245



53.1663, 0.3395, 0.4319

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.



27.2198, 0.2645, 0.4237



27.2198, 0.2754, 0.2245



27.2198, 0.4042, 0.4559

Square

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



27.2198, 0.2754, 0.2245



27.2198, 0.4607, 0.3565



27.2198, 0.3355, 0.4665



27.2198, 0.1844, 0.2731

Rectangle

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



27.2198, 0.2754, 0.2245



27.2198, 0.4012, 0.2852



27.2198, 0.3355, 0.4665



27.2198, 0.2256, 0.3726

Sweetspot

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



27.2209, 0.2754, 0.2245



80.6032, 0.3037, 0.3010



37.3836, 0.2533, 0.2793



16.7816, 0.3025, 0.2973



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



27.2209, 0.2754, 0.2245



37.3081, 0.2653, 0.2008



31.8422, 0.3132, 0.2354



11.0895, 0.3052, 0.3055



4.2531, 0.1946, 0.0846



0.2643, 0.2168, 0.0968

Inverse Universe

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



30.8843, 0.3542, 0.2758



44.3940, 0.3666, 0.2650



49.5426, 0.3101, 0.4419



11.3143, 0.3206, 0.3164



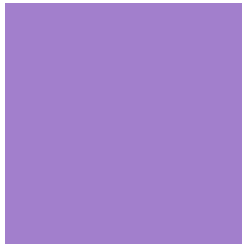
8.8254, 0.4751, 0.2391



0.4705, 0.4370, 0.2181

Previews

White Background



This preview shows how the Yxy color 27.2198, 0.2754, 0.2245 looks on a white background.

Color Contrast Check

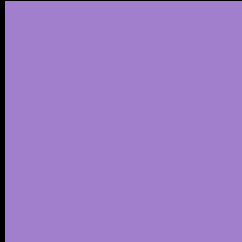
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2198, 0.2754, 0.2245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

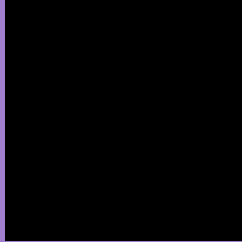
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2198, 0.2754, 0.2245

Background



This preview shows how black text looks on a background with the Yxy color 27.2198, 0.2754, 0.2245.



This preview shows how white text looks on a background with the Yxy color 27.2198, 0.2754, 0.2245.

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

27.2198, 0.2754, 0.2245

Protanopia

27.4444, 0.2328, 0.2205

Deuteranopia

27.4044, 0.2452, 0.2392



Tritanopia

27.1192, 0.3179, 0.3118

Trichromacy



Original Color

27.2198, 0.2754, 0.2245

Protanomaly

27.0176, 0.2459, 0.2208

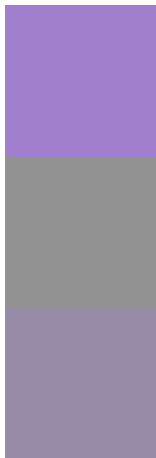
Deuteranomaly

27.1910, 0.2556, 0.2333

Tritanomaly

26.9827, 0.3013, 0.2765

Monochromacy



Original Color

27.2198, 0.2754, 0.2245

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

27.9307, 0.2990, 0.2865

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2198, 0.2754, 0.2245 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, 127, 204)` looks like.

```
.text, #text, p{  
    color:rgb(162, 127, 204)  
}
```

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, 127, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 127, 204) }
```

Border

The CSS property to change the border of an element to Yxy 27.2198, 0.2754, 0.2245 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, 127, 204) }
```

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

```
.border{ border-color:rgb(162, 127, 204) }
```

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

Here you see how a box with a 4 pixel rgb(162, 127, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 127, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 127, 204);  
box-shadow:4px 4px 4px 4px rgb(162, 127,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2198, 0.2754, 0.2245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 127, 204) }
```

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

```
.background{ background-color: rgb(162,  
127, 204) }
```

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