

Converting Colors

$Y_{xy}(24.2963, 0.2794, 0.2276)$

Have a look what the booklet for
Yxy(24.2963, 0.2794, 0.2276)
contains.

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Color

Yxy(24.2624, 0.2801, 0.2278)

Conversions

Conversions Part 1

Format	Color
Hex	9C78BF
RGB	156, 120, 191
RGB Percent	61%, 47%, 75%
CMY	0.3882, 0.5294, 0.2509
CMYK	0.18, 0.37, 0.00, 0.25
HSL	270°, 36%, 61%
HSV	270°, 37%, 75%
XYZ	29.8327, 24.2624, 52.4123
YIQ	138.8580, -1.3350, 29.7130

Conversions

Conversions Part 2

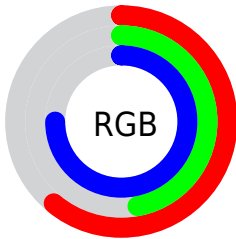
Format	Color
R_{YB}	156, 120, 191
Decimal	10254527
CIE _{Lab}	56.35, 27.95, -32.00
CIE _{LCh}	56, 42.487, 311.130
Y _{xy}	24.2624, 0.2801, 0.2278
Android (android.graphics.Color)	4288444607 (0xFF9C78BF)
YUV	138.8580, 25.7060, 15.0335
Hunter-Lab	49.2569, 21.9101, -28.6084

Details

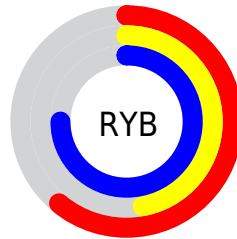
The Yxy color **24.2624, 0.2801, 0.2278** is a light color, and the websafe version is hex **996699**. A complement of this color would be **45.5966, 0.3358, 0.4308**, and the grayscale version is **25.6617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.5133, 0.2870, 0.2467**, and **9.1962, 0.2667, 0.1984** is the 20% darker color. If you saturate the color by 10%, you get **19.2146, 0.2685, 0.1984**, and if you desaturate by 10%, it is **30.3015, 0.2906, 0.2570**.

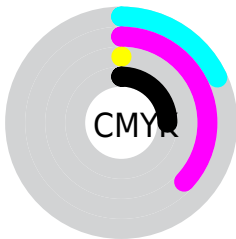
Distribution



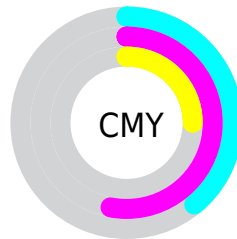
- Red (61%)
- Green (47%)
- Blue (75%)



- Red (61%)
- Yellow (47%)
- Blue (75%)



- Cyan (18%)
- Magenta (37%)
- Yellow (0%)
- Black (25%)





- Cyan (39%)
- Magenta (53%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2624, 0.2801, 0.2278 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 24.2624, 0.2801, 0.2278 by changing the saturation by 10% instead.


 24.2624, 0.2801,
0.2278


 24.2624, 0.2801,
0.2278


274.1444, 0.2990,
0.2797


 15.5284, 0.2745,
0.2147


 50.4581, 0.2876,
0.2468

 9.1911, 0.2669,
0.1978


 68.6885, 0.2902,
0.2539

 4.8660, 0.2558,
0.1755


 90.8532, 0.2923,
0.2599

 2.1689, 0.2387,
0.1452

117.3365, 0.2941,
0.2650

 0.7029, 0.2104,
0.1013

148.5229, 0.2956,
0.2694

 0.0000, 0.1264,
0.0000

184.7968, 0.2969,

 0.0000, 0.0000,

0.2733

0.0000

226.5425, 0.2980,
0.2767

■ 24.2624, 0.2801,
0.2278

■ 24.2624, 0.2801,
0.2278

■ 19.2146, 0.2685,
0.1984

■ 30.3015, 0.2906,
0.2570

■ 15.0987, 0.2560,
0.1699

■ 37.3808, 0.2998,
0.2851

■ 11.8534, 0.2430,
0.1438


■ 45.5495, 0.3077,
0.3114


■ 9.4083, 0.2301,
0.1216


■ 54.8526, 0.3145,
0.3356

■ 7.6818, 0.2177,
0.1043


■ 65.3326, 0.3202,
0.3577

 6.5601, 0.2065,
0.0924

 77.0298, 0.3250,
0.3776

 6.2951, 0.2035,
0.0894

 89.9825, 0.3290,
0.3954

 92.3294, 0.3350,
0.3953

 93.9421, 0.3412,
0.3940

Harmonies

Analogous

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



24.2624, 0.2227, 0.2168



24.2624, 0.2801, 0.2278



24.2624, 0.3545, 0.2593

Triad

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



24.2624, 0.2801, 0.2278



24.2624, 0.4469, 0.4131



24.2624, 0.2105, 0.3406

Complementary

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



24.2624, 0.2801, 0.2278



45.5966, 0.3358, 0.4308

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.



24.2624, 0.2623, 0.4175



24.2624, 0.2801, 0.2278



24.2624, 0.3991, 0.4548

Square

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



24.2624, 0.2801, 0.2278



24.2624, 0.4579, 0.3593



24.2624, 0.3313, 0.4620



24.2624, 0.1865, 0.2715

Rectangle

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



24.2624, 0.2801, 0.2278



24.2624, 0.4028, 0.2889



24.2624, 0.3313, 0.4620



24.2624, 0.2249, 0.3672

Sweetspot

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



24.2634, 0.2801, 0.2278



75.4792, 0.3047, 0.3011



31.3681, 0.2537, 0.2748



16.1320, 0.3036, 0.2975



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.



24.2634, 0.2801, 0.2278



35.6254, 0.2703, 0.2027



28.2741, 0.3170, 0.2383



9.4566, 0.3061, 0.3058



4.1841, 0.2048, 0.0902



0.2028, 0.2313, 0.1048

Inverse Universe

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



26.8787, 0.3577, 0.2817



41.2163, 0.3727, 0.2710



42.6195, 0.3075, 0.4402



9.6127, 0.3213, 0.3177



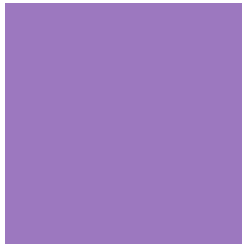
7.8286, 0.4964, 0.2508



0.3199, 0.4435, 0.2217

Previews

White Background



This preview shows how the Yxy color 24.2624, 0.2801, 0.2278 looks on a white background.

Color Contrast Check

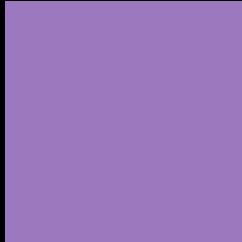
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2624, 0.2801, 0.2278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

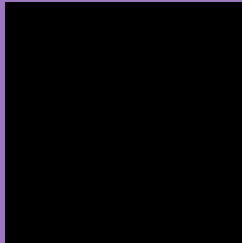
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2624, 0.2801, 0.2278

Background



This preview shows how black text looks on a background with the Yxy color 24.2624, 0.2801, 0.2278.



This preview shows how white text looks on a background with the Yxy color 24.2624, 0.2801, 0.2278.

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

24.2624, 0.2801, 0.2278

Protanopia

24.4841, 0.2351, 0.2237

Deuteranopia

24.4629, 0.2484, 0.2437



Tritanopia

24.1843, 0.3216, 0.3111

Trichromacy



Original Color

24.2624, 0.2801, 0.2278

Protanomaly

24.1048, 0.2492, 0.2241

Deuteranomaly

24.1999, 0.2587, 0.2372

Tritanomaly

24.0042, 0.3061, 0.2774

Monochromacy



Original Color

24.2624, 0.2801, 0.2278

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

24.9909, 0.3004, 0.2876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2624, 0.2801, 0.2278 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(156, 120, 191)` looks like.

```
.text, #text, p{  
    color:rgb(156, 120, 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(156, 120, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 120, 191) }
```

Border

The CSS property to change the border of an element to Yxy 24.2624, 0.2801, 0.2278 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(156, 120, 191) }
```

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

```
.border{ border-color:rgb(156, 120, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 120, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 120, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 120, 191);  
box-shadow:4px 4px 4px 4px rgb(156, 120,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2624, 0.2801, 0.2278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 120, 191) }
```

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

```
.background{ background-color: rgb(156,  
120, 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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