

Converting Colors

$Y_{xy}(24.7444, 0.2960, 0.2396)$

Have a look what the booklet for
Yxy(24.7444, 0.2960, 0.2396)
contains.

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Color

Yxy(24.7444, 0.2960, 0.2396)

Conversions

Conversions Part 1

Format	Color
Hex	A478B7
RGB	164, 120, 183
RGB Percent	64%, 47%, 72%
CMY	0.3570, 0.5293, 0.2824
CMYK	0.10, 0.34, 0.00, 0.28
HSL	282°, 30%, 59%
HSV	282°, 34%, 72%
XYZ	30.5690, 24.7444, 47.9603
YIQ	140.3380, 6.0010, 28.9210

Conversions

Conversions Part 2

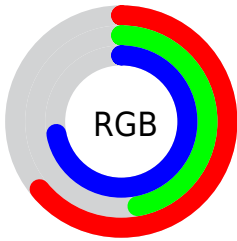
Format	Color
RYB	164, 120, 183
Decimal	10778807
CIELab	56.83, 28.67, -26.61
CIELCh	57, 39.116, 317.131
Yxy	24.7444, 0.2960, 0.2396
Android (android.graphics.Color)	4288968887 (0xFFA478B7)
YUV	140.3380, 21.0324, 20.7516
Hunter-Lab	49.7437, 22.6421, -22.3437

Details

The Yxy color **24.7444, 0.2960, 0.2396** is a light color, and the websafe version is hex **996699**. A complement of this color would be **40.7122, 0.3237, 0.4255**, and the grayscale version is **26.2789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.3348, 0.3005, 0.2570**, and **9.4977, 0.2878, 0.2129** is the 20% darker color. If you saturate the color by 10%, you get **20.1807, 0.2894, 0.2127**, and if you desaturate by 10%, it is **30.1769, 0.3018, 0.2667**.

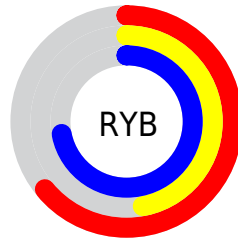
Distribution



Red (64%)

Green (47%)

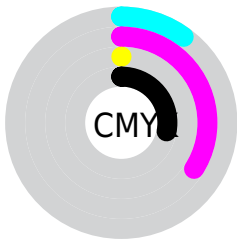
Blue (72%)



Red (64%)

Yellow (47%)

Blue (72%)

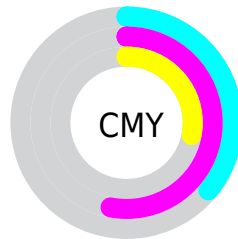


Cyan (10%)

Magenta (34%)

Yellow (0%)

Black (28%)



Cyan (36%)

Magenta (53%)

Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7444, 0.2960, 0.2396 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 24.7444, 0.2960, 0.2396 by changing the saturation by 10% instead.


 24.7444, 0.2960,
0.2396


 24.7444, 0.2960,
0.2396


276.5626, 0.3062,
0.2857


 15.8867, 0.2928,
0.2278


 51.2423, 0.3002,
0.2566

 9.4440, 0.2883,
0.2125


 69.6512, 0.3016,
0.2629

 5.0319, 0.2815,
0.1920


 92.0128, 0.3027,
0.2682

 2.2660, 0.2704,
0.1636

118.7113, 0.3037,
0.2727

 0.7556, 0.2506,
0.1214

150.1311, 0.3045,
0.2766

 0.0000, 0.1885,
0.0000

186.6567, 0.3051,

 0.0000, 0.0000,

0.2800

0.0000

228.6724, 0.3057,
0.2830

■ 24.7444, 0.2960,
0.2396

■ 24.7444, 0.2960,
0.2396

■ 20.1807, 0.2894,
0.2127

■ 30.1769, 0.3018,
0.2667

■ 16.4342, 0.2821,
0.1870

■ 36.5196, 0.3068,
0.2932

■ 13.4528, 0.2743,
0.1637


■ 43.8149, 0.3111,
0.3184


■ 11.1768, 0.2662,
0.1438


■ 52.1019, 0.3146,
0.3420


■ 9.5374, 0.2580,
0.1283


■ 61.4172, 0.3175,
0.3637


 8.4516, 0.2501,
0.1175

 71.7955, 0.3198,
0.3836

 7.9874, 0.2458,
0.1128

 83.2700, 0.3217,
0.4017

 88.3748, 0.3245,
0.4075

 89.1907, 0.3280,
0.4066

Harmonies

Analogous

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



24.7444, 0.2386, 0.2253



24.7444, 0.2960, 0.2396



24.7444, 0.3651, 0.2723

Triad

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



24.7444, 0.2960, 0.2396



24.7444, 0.4300, 0.4168



24.7444, 0.2119, 0.3261

Complementary

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



24.7444, 0.2960, 0.2396



40.7122, 0.3237, 0.4255

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.



24.7444, 0.2555, 0.3965



24.7444, 0.2960, 0.2396



24.7444, 0.3815, 0.4491

Square

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



24.7444, 0.2960, 0.2396



24.7444, 0.4471, 0.3685



24.7444, 0.3175, 0.4452



24.7444, 0.1945, 0.2669

Rectangle

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



24.7444, 0.2960, 0.2396



24.7444, 0.4067, 0.3016



24.7444, 0.3175, 0.4452



24.7444, 0.2237, 0.3497

Sweetspot

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



24.7454, 0.2960, 0.2396



70.7520, 0.3087, 0.3040



26.1570, 0.2559, 0.2607



15.2305, 0.3081, 0.3005



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



24.7454, 0.2960, 0.2396



38.2350, 0.2913, 0.2200



26.4606, 0.3292, 0.2589



9.0230, 0.3091, 0.3061



5.6097, 0.2467, 0.1133



0.2284, 0.2666, 0.1242

Inverse Universe

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



25.3683, 0.3680, 0.3021



39.6378, 0.3852, 0.2963



39.5122, 0.2998, 0.4111



9.0557, 0.3242, 0.3221



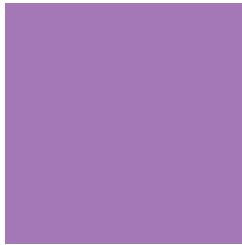
7.2281, 0.5723, 0.2926



0.2661, 0.4970, 0.2512

Previews

White Background



This preview shows how the Yxy color 24.7444, 0.2960, 0.2396 looks on a white background.

Color Contrast Check

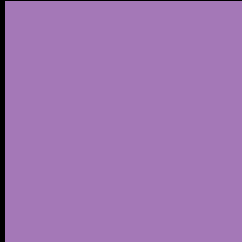
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7444, 0.2960, 0.2396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

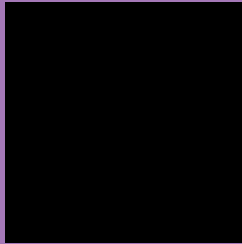
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7444, 0.2960, 0.2396

Background



This preview shows how black text looks on a background with the Yxy color 24.7444, 0.2960, 0.2396.



This preview shows how white text looks on a background with the Yxy color 24.7444, 0.2960, 0.2396.

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

24.7444, 0.2960, 0.2396

Protanopia

25.0745, 0.2453, 0.2378

Deuteranopia

24.7811, 0.2621, 0.2561



Tritanopia

24.7327, 0.3346, 0.3132

Trichromacy



Original Color

24.7444, 0.2960, 0.2396

Protanomaly

24.8339, 0.2618, 0.2384

Deuteranomaly

24.6122, 0.2737, 0.2495

Tritanomaly

24.7618, 0.3206, 0.2848

Monochromacy



Original Color

24.7444, 0.2960, 0.2396

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.5649, 0.3067, 0.2928

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7444, 0.2960, 0.2396 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(164, 120, 183)` looks like.

```
.text, #text, p{  
    color:rgb(164, 120, 183)  
}
```

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(164, 120, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 120, 183) }
```

Border

The CSS property to change the border of an element to Yxy 24.7444, 0.2960, 0.2396 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(164, 120, 183) }
```

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

```
.border{ border-color:rgb(164, 120, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 120, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 120, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 120, 183);  
box-shadow:4px 4px 4px 4px rgb(164, 120,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7444, 0.2960, 0.2396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 120, 183) }
```

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

```
.background{ background-color: rgb(164,  
120, 183) }
```

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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