

Converting Colors

$Y_{xy}(24.6306, 0.2900, 0.2367)$

Have a look what the booklet for
Yxy(24.6306, 0.2900, 0.2367)
contains.

Yxy(24.6511, 0.2899, 0.2375)	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(24.6511, 0.2899, 0.2375)

Conversions

Conversions Part 1

Format	Color
Hex	A079B9
RGB	160, 121, 185
RGB Percent	63%, 47%, 73%
CMY	0.3725, 0.5255, 0.2746
CMYK	0.13, 0.35, 0.00, 0.27
HSL	277°, 31%, 60%
HSV	277°, 35%, 73%
XYZ	30.0899, 24.6511, 49.0531
YIQ	139.9570, 2.7000, 28.1720

Conversions

Conversions Part 2

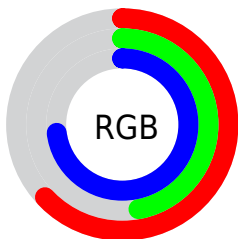
Format	Color
R_{YB}	160, 121, 185
Decimal	10516921
CIE _{Lab}	56.73, 27.26, -27.92
CIE _{LCh}	57, 39.021, 314.322
Yxy	24.6511, 0.2899, 0.2375
Android (android.graphics.Color)	4288707001 (0xFFA079B9)
YUV	139.9570, 22.2062, 17.5777
Hunter-Lab	49.6499, 21.2912, -23.8224

Details

The Yxy color **24.6511, 0.2899, 0.2375** is a light color, and the websafe version is hex **996699**. A complement of this color would be **42.1729, 0.3286, 0.4246**, and the grayscale version is **26.1200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2219, 0.2959, 0.2554**, and **9.4265, 0.2790, 0.2097** is the 20% darker color. If you saturate the color by 10%, you get **19.8566, 0.2811, 0.2094**, and if you desaturate by 10%, it is **30.3528, 0.2977, 0.2655**.

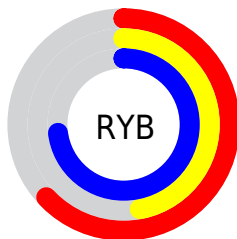
Distribution



Red (63%)

Green (47%)

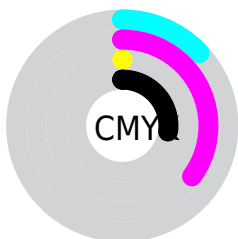
Blue (73%)



Red (63%)

Yellow (47%)

Blue (73%)

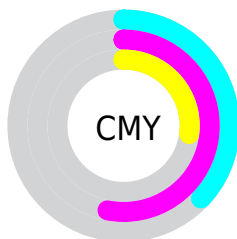


Cyan (13%)

Magenta (35%)

Yellow (0%)

Black (27%)



Cyan (37%)


Magenta (53%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6511, 0.2899, 0.2375 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 24.6511, 0.2899, 0.2375 by changing the saturation by 10% instead.


 24.6511, 0.2899,
0.2375


 24.6511, 0.2899,
0.2375


276.0959, 0.3034,
0.2847

 15.8173, 0.2858,
0.2254


 51.0906, 0.2953,
0.2549

 9.3950, 0.2801,
0.2098

 69.4652, 0.2972,
0.2614

 4.9997, 0.2717,
0.1889


 91.7887, 0.2987,
0.2668

 2.2471, 0.2583,
0.1600

118.4457, 0.3000,
0.2714

 0.7455, 0.2352,
0.1173

149.8206, 0.3010,
0.2754

 0.0000, 0.1601,
0.0000

186.2976, 0.3019,

 0.0000, 0.0000,

0.2789

0.0000

228.2612, 0.3027,
0.2820

■ 24.6511, 0.2899,
0.2375

■ 24.6511, 0.2899,
0.2375

■ 19.8566, 0.2811,
0.2094

■ 30.3528, 0.2977,
0.2655

■ 15.9160, 0.2714,
0.1823

■ 37.0048, 0.3045,
0.2925

■ 12.7752, 0.2612,
0.1573


■ 44.6510, 0.3104,
0.3179


■ 10.3723, 0.2507,
0.1358


■ 53.3320, 0.3153,
0.3416

■ 8.6361, 0.2403,
0.1187


■ 63.0855, 0.3193,
0.3632


 7.4805, 0.2305,
0.1067

 73.9479, 0.3227,
0.3829

 6.9984, 0.2253,
0.1015

 85.9534, 0.3254,
0.4006

 89.8884, 0.3295,
0.4038

 91.0238, 0.3342,
0.4027

Harmonies

Analogous

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



24.6511, 0.2344, 0.2252



24.6511, 0.2899, 0.2375



24.6511, 0.3586, 0.2687

Triad

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



24.6511, 0.2899, 0.2375



24.6511, 0.4331, 0.4126



24.6511, 0.2150, 0.3326

Complementary

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



24.6511, 0.2899, 0.2375



42.1729, 0.3286, 0.4246

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.



24.6511, 0.2608, 0.4025



24.6511, 0.2899, 0.2375



24.6511, 0.3869, 0.4471

Square

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



24.6511, 0.2899, 0.2375



24.6511, 0.4465, 0.3637



24.6511, 0.3237, 0.4474



24.6511, 0.1951, 0.2715

Rectangle

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



24.6511, 0.2899, 0.2375



24.6511, 0.4013, 0.2973



24.6511, 0.3237, 0.4474



24.6511, 0.2276, 0.3564

Sweetspot

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



24.6521, 0.2899, 0.2375



72.1274, 0.3072, 0.3039



28.3071, 0.2567, 0.2690



15.1446, 0.3064, 0.3003



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.



24.6521, 0.2899, 0.2375



37.9145, 0.2837, 0.2175



27.2238, 0.3235, 0.2521



8.9831, 0.3077, 0.3060



4.8101, 0.2265, 0.1021



0.2042, 0.2511, 0.1157

Inverse Universe

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



26.0607, 0.3614, 0.2941



40.9335, 0.3759, 0.2868



40.2927, 0.3035, 0.4204



9.0687, 0.3228, 0.3201



7.3568, 0.5386, 0.2741



0.2716, 0.4695, 0.2360

Previews

White Background



This preview shows how the Yxy color 24.6511, 0.2899, 0.2375 looks on a white background.

Color Contrast Check

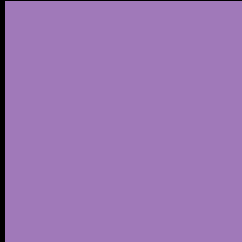
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6511, 0.2899, 0.2375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

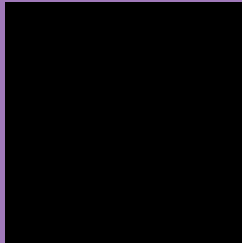
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6511, 0.2899, 0.2375

Background



This preview shows how black text looks on a background with the Yxy color 24.6511, 0.2899, 0.2375.



This preview shows how white text looks on a background with the Yxy color 24.6511, 0.2899, 0.2375.

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

24.6511, 0.2899, 0.2375

Protanopia

24.7722, 0.2436, 0.2347

Deuteranopia

24.7127, 0.2588, 0.2530



Tritanopia

24.6310, 0.3286, 0.3130

Trichromacy



Original Color

24.6511, 0.2899, 0.2375

Protanomaly

24.4486, 0.2590, 0.2352

Deuteranomaly

24.4378, 0.2691, 0.2462

Tritanomaly

24.6470, 0.3148, 0.2842

Monochromacy



Original Color

24.6511, 0.2899, 0.2375

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.3784, 0.3045, 0.2925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6511, 0.2899, 0.2375 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(160, 121, 185)` looks like.

```
.text, #text, p{  
    color:rgb(160, 121, 185)  
}
```

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(160, 121, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 121, 185) }
```

Border

The CSS property to change the border of an element to Yxy 24.6511, 0.2899, 0.2375 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(160, 121, 185) }
```

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

```
.border{ border-color:rgb(160, 121, 185) }
```

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

Here you see how a box with a 4 pixel rgb(160, 121, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 121, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 121, 185);  
box-shadow:4px 4px 4px 4px rgb(160, 121,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6511, 0.2899, 0.2375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 121, 185) }
```

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

```
.background{ background-color: rgb(160,  
121, 185) }
```

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