

Converting Colors

$Y_{xy}(24.8654, 0.2954, 0.2377)$

Have a look what the booklet for
Yxy(24.8654, 0.2954, 0.2377)
contains.

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Color

Yxy(24.9351, 0.2951, 0.2375)

Conversions

Conversions Part 1

Format	Color
Hex	A578B9
RGB	165, 120, 185
RGB Percent	65%, 47%, 73%
CMY	0.3531, 0.5293, 0.2746
CMYK	0.11, 0.35, 0.00, 0.27
HSL	281°, 32%, 60%
HSV	281°, 35%, 73%
XYZ	30.9825, 24.9351, 49.0723
YIQ	140.8650, 5.9550, 29.7550

Conversions

Conversions Part 2

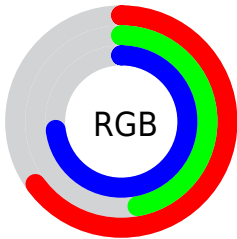
Format	Color
R_{YB}	165, 120, 185
Decimal	10844345
CIE _{Lab}	57.01, 29.40, -27.46
CIE _{LCh}	57, 40.229, 316.959
Yxy	24.9351, 0.2951, 0.2375
Android (android.graphics.Color)	4289034425 (0xFFA578B9)
YUV	140.8650, 21.7586, 21.1664
Hunter-Lab	49.9351, 23.3651, -23.3110

Details

The Yxy color $24.9351, 0.2951, 0.2375$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $41.6304, 0.3242, 0.4277$, and the grayscale version is $26.4919, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.6102, 0.2998, 0.2552$, and $9.4910, 0.2865, 0.2086$ is the 20% darker color. If you saturate the color by 10%, you get $20.3091, 0.2883, 0.2105$, and if you desaturate by 10%, it is $30.4501, 0.3011, 0.2647$.

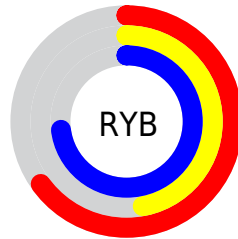
Distribution



Red (65%)

Green (47%)

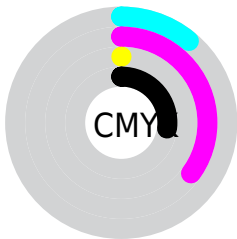
Blue (73%)



Red (65%)

Yellow (47%)

Blue (73%)

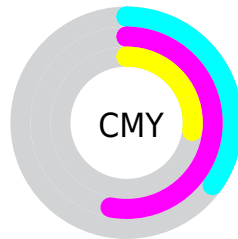


Cyan (11%)

Magenta (35%)

Yellow (0%)

Black (27%)



Cyan (35%)


Magenta (53%)


Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.9351, 0.2951, 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 24.9351, 0.2951, 0.2375 by changing the saturation by 10% instead.


 24.9351, 0.2951,
0.2375


 24.9351, 0.2951,
0.2375


277.5146, 0.3058,
0.2845


 16.0287, 0.2918,
0.2255


 51.5519, 0.2995,
0.2548

 9.5445, 0.2870,
0.2100


 70.0311, 0.3010,
0.2612

 5.0980, 0.2800,
0.1894


 92.4701, 0.3022,
0.2667

 2.3049, 0.2686,
0.1609

119.2532, 0.3032,
0.2713

 0.7763, 0.2483,
0.1192

150.7647, 0.3040,
0.2753

 0.0000, 0.1927,
0.0000

187.3892, 0.3047,

 0.0000, 0.0000,

0.2787

0.0000

229.5111, 0.3053,
0.2818

■ 24.9351, 0.2951,
0.2375

■ 24.9351, 0.2951,
0.2375

■ 20.3091, 0.2883,
0.2105

■ 30.4501, 0.3011,
0.2647

■ 16.5189, 0.2808,
0.1848

■ 36.8970, 0.3063,
0.2913

■ 13.5104, 0.2727,
0.1616


■ 44.3196, 0.3107,
0.3166

■ 11.2218, 0.2644,
0.1419


■ 52.7581, 0.3144,
0.3404

■ 9.5815, 0.2561,
0.1266


■ 62.2502, 0.3174,
0.3623

 8.5022, 0.2481,
0.1161

 72.8320, 0.3199,
0.3823

 8.0872, 0.2442,
0.1119

 84.5374, 0.3218,
0.4005

 88.8109, 0.3249,
0.4049

 89.6664, 0.3286,
0.4040

Harmonies

Analogous

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



24.9351, 0.2366, 0.2230



24.9351, 0.2951, 0.2375



24.9351, 0.3660, 0.2708

Triad

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



24.9351, 0.2951, 0.2375



24.9351, 0.4330, 0.4183



24.9351, 0.2097, 0.3262

Complementary

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



24.9351, 0.2951, 0.2375



41.6304, 0.3242, 0.4277

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.



24.9351, 0.2543, 0.3988



24.9351, 0.2951, 0.2375



24.9351, 0.3833, 0.4520

Square

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



24.9351, 0.2951, 0.2375



24.9351, 0.4505, 0.3688



24.9351, 0.3178, 0.4487



24.9351, 0.1919, 0.2655

Rectangle

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



24.9351, 0.2951, 0.2375



24.9351, 0.4088, 0.3005



24.9351, 0.3178, 0.4487



24.9351, 0.2218, 0.3505

Sweetspot

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



24.9362, 0.2951, 0.2375



71.1135, 0.3082, 0.3014



26.4285, 0.2546, 0.2590



14.9553, 0.3076, 0.2980



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.



24.9362, 0.2951, 0.2375



38.2514, 0.2900, 0.2170



26.7722, 0.3296, 0.2575



9.0201, 0.3090, 0.3061



5.5472, 0.2452, 0.1125



0.2266, 0.2655, 0.1236

Inverse Universe

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



25.6472, 0.3691, 0.3009



39.8505, 0.3871, 0.2948



40.3523, 0.2996, 0.4132



9.0566, 0.3241, 0.3220



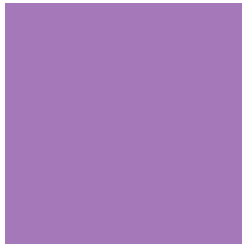
7.2362, 0.5700, 0.2914



0.2665, 0.4949, 0.2500

Previews

White Background



This preview shows how the Yxy color 24.9351, 0.2951, 0.2375 looks on a white background.

Color Contrast Check

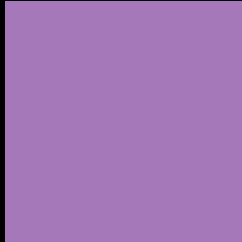
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9351, 0.2951, 0.2375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

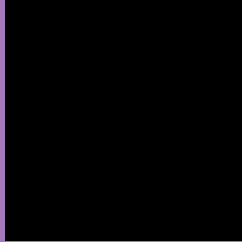
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9351, 0.2951, 0.2375

Background



This preview shows how black text looks on a background with the Yxy color 24.9351, 0.2951, 0.2375.



This preview shows how white text looks on a background with the Yxy color 24.9351, 0.2951, 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

24.9351, 0.2951, 0.2375

Protanopia

25.1411, 0.2425, 0.2338

Deuteranopia

25.1410, 0.2608, 0.2550



Tritanopia

24.8337, 0.3357, 0.3133

Trichromacy



Original Color

24.9351, 0.2951, 0.2375

Protanomaly

24.8839, 0.2585, 0.2345

Deuteranomaly

24.9596, 0.2721, 0.2484

Tritanomaly

24.8991, 0.3206, 0.2835

Monochromacy



Original Color

24.9351, 0.2951, 0.2375

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

25.6934, 0.3068, 0.2914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9351, 0.2951, 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(165, 120, 185)` looks like.

```
.text, #text, p{  
    color:rgb(165, 120, 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(165, 120, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 120, 185) }
```

Border

The CSS property to change the border of an element to Yxy 24.9351, 0.2951, 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(165, 120, 185) }
```

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

```
.border{ border-color:rgb(165, 120, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 120, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 120, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 120, 185); box-shadow:4px 4px 4px 4px rgb(165, 120, 185) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9351, 0.2951, 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(165, 120, 185) }
```

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

```
.background{ background-color: rgb(165,  
120, 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](#).

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