

Converting Colors

$Y_{xy}(23.7196, 0.2789, 0.2369)$

Have a look what the booklet for
Yxy(23.7196, 0.2789, 0.2369)
contains.

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Color

Yxy(23.7693, 0.2794, 0.2371)

Conversions

Conversions Part 1

Format	Color
Hex	957AB8
RGB	149, 122, 184
RGB Percent	58%, 48%, 72%
CMY	0.4156, 0.5216, 0.2783
CMYK	0.19, 0.34, 0.00, 0.28
HSL	266°, 30%, 60%
HSV	266°, 34%, 72%
XYZ	28.0099, 23.7693, 48.4709
YIQ	137.1410, -3.8100, 25.0060

Conversions

Conversions Part 2

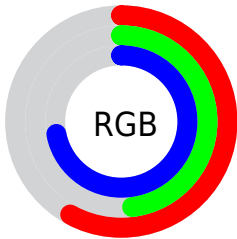
Format	Color
R _Y B	149, 122, 184
Decimal	9796280
CIE Lab	55.86, 23.01, -28.82
CIE LCh	56, 36.878, 308.600
Yxy	23.7693, 0.2794, 0.2371
Android (android.graphics.Color)	4287986360 (0xFF957AB8)
YUV	137.1410, 23.1015, 10.4003
Hunter-Lab	48.7538, 17.2322, -24.8184

Details

The Yxy color **23.7693, 0.2794, 0.2371** is a light color, and the websafe version is hex **996699**. A complement of this color would be **42.8628, 0.3379, 0.4190**, and the grayscale version is **24.9856, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7886, 0.2872, 0.2555**, and **8.9452, 0.2656, 0.2083** is the 20% darker color. If you saturate the color by 10%, you get **18.7376, 0.2666, 0.2068**, and if you desaturate by 10%, it is **29.7457, 0.2909, 0.2665**.

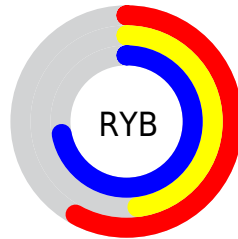
Distribution



Red (58%)

Green (48%)

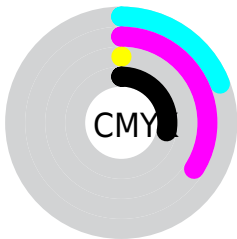
Blue (72%)



Red (58%)

Yellow (48%)

Blue (72%)

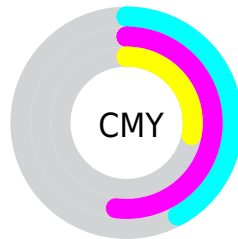


Cyan (19%)

Magenta (34%)

Yellow (0%)

Black (28%)



Cyan (42%)

Magenta (52%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.7693, 0.2794, 0.2371 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 23.7693, 0.2794, 0.2371 by changing the saturation by 10% instead.

■ 23.7693, 0.2794,
0.2371

■ 23.7693, 0.2794,
0.2371

■ 271.6521, 0.2985,
0.2849

■ 15.1626, 0.2738,
0.2247

■ 49.6535, 0.2869,
0.2548

■ 8.9336, 0.2661,
0.2086

■ 67.6997, 0.2896,
0.2614

■ 4.6979, 0.2548,
0.1870

■ 89.6612, 0.2918,
0.2669

■ 2.0711, 0.2374,
0.1569

■ 115.9224, 0.2936,
0.2716

■ 0.6483, 0.2084,
0.1103

■ 146.8677, 0.2951,
0.2756

■ 0.0000, 0.0717,
0.0000

■ 182.8815, 0.2964,

■ 0.0000, 0.0000,

0.2791

0.0000

224.3481, 0.2975,
0.2822

■ 23.7693, 0.2794,
0.2371

■ 23.7693, 0.2794,
0.2371

■ 18.7376, 0.2666,
0.2068

■ 29.7457, 0.2909,
0.2665

■ 14.5970, 0.2527,
0.1769

■ 36.7106, 0.3011,
0.2943

■ 11.2928, 0.2382,
0.1486

■ 44.7086, 0.3098,
0.3200

■ 8.7629, 0.2238,
0.1237

■ 53.7809, 0.3173,
0.3435

■ 6.9360, 0.2100,
0.1036

■ 63.9659, 0.3236,
0.3646

■ 5.7270, 0.1976,
0.0892

■ 75.3005, 0.3289,
0.3835

■ 5.1750, 0.1905,
0.0823

■ 87.8199, 0.3333,
0.4003

■ 92.1530, 0.3395,
0.4025

■ 93.9434, 0.3465,
0.4009

Harmonies

Analogous

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



23.7693, 0.2297, 0.2292



23.7693, 0.2794, 0.2371



23.7693, 0.3441, 0.2641

Triad

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



23.7693, 0.2794, 0.2371



23.7693, 0.4335, 0.4014



23.7693, 0.2256, 0.3456

Complementary

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



23.7693, 0.2794, 0.2371



42.8628, 0.3379, 0.4190

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.



23.7693, 0.2739, 0.4100



23.7693, 0.2794, 0.2371



23.7693, 0.3944, 0.4380

Square

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



23.7693, 0.2794, 0.2371



23.7693, 0.4387, 0.3535



23.7693, 0.3357, 0.4452



23.7693, 0.2012, 0.2838

Rectangle

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



23.7693, 0.2794, 0.2371



23.7693, 0.3867, 0.2903



23.7693, 0.3357, 0.4452



23.7693, 0.2393, 0.3683

Sweetspot

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



23.7703, 0.2794, 0.2371



71.4438, 0.3043, 0.3037



31.7609, 0.2603, 0.2874



14.9785, 0.3030, 0.3000



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.



23.7703, 0.2794, 0.2371



36.5541, 0.2706, 0.2161



27.0686, 0.3121, 0.2455



8.9057, 0.3050, 0.3058



3.6059, 0.1917, 0.0830



0.1639, 0.2221, 0.0997

Inverse Universe

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



26.5445, 0.3467, 0.2804



42.4385, 0.3564, 0.2703



40.1406, 0.3114, 0.4269



9.0948, 0.3202, 0.3162



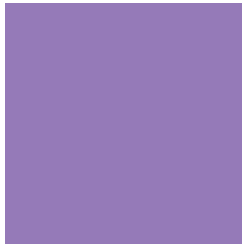
7.7240, 0.4664, 0.2343



0.2845, 0.4193, 0.2084

Previews

White Background



This preview shows how the Yxy color 23.7693, 0.2794, 0.2371 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 23.7693, 0.2794, 0.2371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

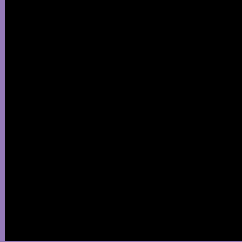
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7693, 0.2794, 0.2371

Background



This preview shows how black text looks on a background with the Yxy color 23.7693, 0.2794, 0.2371.



This preview shows how white text looks on a background with the Yxy color 23.7693, 0.2794, 0.2371.

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

23.7693, 0.2794, 0.2371

Protanopia

23.9531, 0.2436, 0.2349

Deuteranopia

23.8730, 0.2549, 0.2490



Tritanopia

23.9065, 0.3146, 0.3124

Trichromacy



Original Color

23.7693, 0.2794, 0.2371

Protanomaly

23.6245, 0.2550, 0.2348

Deuteranomaly

23.6825, 0.2633, 0.2433

Tritanomaly

23.8924, 0.3014, 0.2826

Monochromacy



Original Color

23.7693, 0.2794, 0.2371

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.4983, 0.3001, 0.2932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7693, 0.2794, 0.2371 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(149, 122, 184)` looks like.

```
.text, #text, p{  
    color:rgb(149, 122, 184)  
}
```

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(149, 122, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 122, 184) }
```

Border

The CSS property to change the border of an element to Yxy 23.7693, 0.2794, 0.2371 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(149, 122, 184) }
```

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

```
.border{ border-color:rgb(149, 122, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 122, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 122, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 122, 184);  
box-shadow:4px 4px 4px 4px rgb(149, 122,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7693, 0.2794, 0.2371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 122, 184) }
```

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

```
.background{ background-color: rgb(149,  
122, 184) }
```

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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