

Converting Colors

$Y_{xy}(22.8930, 0.3096, 0.2789)$

Have a look what the booklet for
Yxy(22.8930, 0.3096, 0.2789)
contains.

Yxy(22.9830, 0.3104, 0.2798)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.9830, 0.3104, 0.2798)

Conversions

Conversions Part 1

Format	Color
Hex	967B9A
RGB	150, 123, 154
RGB Percent	59%, 48%, 60%
CMY	0.4117, 0.5177, 0.3961
CMYK	0.03, 0.20, 0.00, 0.40
HSL	292°, 13%, 54%
HSV	292°, 20%, 60%
XYZ	25.4965, 22.9830, 33.6613
YIQ	134.6070, 6.1410, 15.3650

Conversions

Conversions Part 2

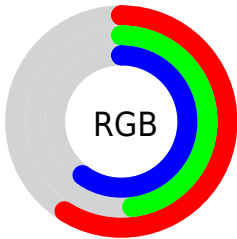
Format	Color
R_{YB}	150, 123, 154
Decimal	9862042
CIE _{Lab}	55.05, 16.20, -12.73
CIE _{LCh}	55, 20.597, 321.840
Yxy	22.9830, 0.3104, 0.2798
Android (android.graphics.Color)	4288052122 (0xFF967B9A)
YUV	134.6070, 9.5607, 13.4997
Hunter-Lab	47.9406, 11.0366, -8.0718

Details

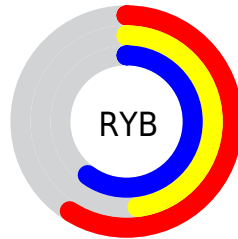
The Yxy color $22.9830, 0.3104, 0.2798$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $29.0482, 0.3141, 0.3822$, and the grayscale version is $24.0390, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.4421, 0.3111, 0.2909$, and $8.5295, 0.3088, 0.2623$ is the 20% darker color. If you saturate the color by 10%, you get $19.2739, 0.3088, 0.2546$, and if you desaturate by 10%, it is $27.2982, 0.3117, 0.3047$.

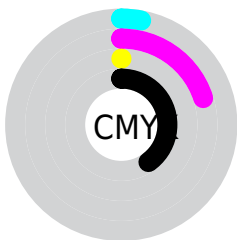
Distribution



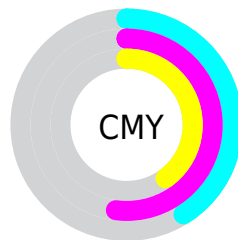
- Red (59%)
- Green (48%)
- Blue (60%)



- Red (59%)
- Yellow (48%)
- Blue (60%)



- Cyan (3%)
- Magenta (20%)
- Yellow (0%)
- Black (40%)





- Cyan (41%)
- Magenta (52%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9830, 0.3104, 0.2798 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 22.9830, 0.3104, 0.2798 by changing the saturation by 10% instead.


 22.9830, 0.3104,
0.2798


 22.9830, 0.3104,
0.2798


267.6377, 0.3121,
0.3064


 14.5810, 0.3098,
0.2725


 48.3654, 0.3111,
0.2900

 8.5258, 0.3088,
0.2626


 66.1146, 0.3114,
0.2936

 4.4332, 0.3072,
0.2485

 87.7482, 0.3116,
0.2967

 1.9187, 0.3041,
0.2271

113.6508, 0.3117,
0.2992

 0.5596, 0.3007,
0.1809

144.2066, 0.3118,
0.3014

 0.0000, 0.0000,
0.0000

179.8001, 0.3119,

0.3033

220.8156, 0.3120,
0.3049

■ 22.9830, 0.3104,
0.2798

■ 22.9830, 0.3104,
0.2798

■ 19.2739, 0.3088,
0.2546

■ 27.2982, 0.3117,
0.3047

■ 16.1400, 0.3068,
0.2298

■ 32.2427, 0.3127,
0.3287

■ 13.5519, 0.3044,
0.2063

■ 37.8423, 0.3134,
0.3514

■ 11.4765, 0.3018,
0.1852

■ 44.1202, 0.3139,
0.3726

■ 9.8773, 0.2988,
0.1672

■ 51.0986, 0.3143,
0.3921

8.7127, 0.2957,
0.1531

58.7987, 0.3144,
0.4099

7.9340, 0.2925,
0.1433

67.2407, 0.3145,
0.4261

7.4251, 0.2893,
0.1367

76.4442, 0.3144,
0.4408

82.1516, 0.3149,
0.4484

Harmonies

Analogous

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



22.9830, 0.2762, 0.2698



22.9830, 0.3104, 0.2798



22.9830, 0.3472, 0.3010

Triad

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



22.9830, 0.3104, 0.2798



22.9830, 0.3749, 0.3833



22.9830, 0.2536, 0.3237

Complementary

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



22.9830, 0.3104, 0.2798



29.0482, 0.3141, 0.3822

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.



22.9830, 0.2775, 0.3590



22.9830, 0.3104, 0.2798



22.9830, 0.3474, 0.3944

Square

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



22.9830, 0.3104, 0.2798



22.9830, 0.3855, 0.3590



22.9830, 0.3117, 0.3859



22.9830, 0.2449, 0.2926

Rectangle

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



22.9830, 0.3104, 0.2798



22.9830, 0.3676, 0.3194



22.9830, 0.3117, 0.3859



22.9830, 0.2600, 0.3355

Sweetspot

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



22.9840, 0.3104, 0.2798



53.0559, 0.3121, 0.3145



21.7551, 0.2806, 0.2826



11.8902, 0.3121, 0.3130



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



22.9840, 0.3104, 0.2798



38.6914, 0.3097, 0.2688



23.0058, 0.3278, 0.2977



6.2836, 0.3118, 0.3069



6.0606, 0.2895, 0.1369



0.1004, 0.3045, 0.1451

Inverse Universe

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



22.5652, 0.3465, 0.3226



37.8091, 0.3559, 0.3211



29.0511, 0.3002, 0.3626



6.2349, 0.3264, 0.3262



5.6407, 0.6200, 0.3189



0.0873, 0.5468, 0.2786

Previews

White Background



This preview shows how the Yxy color 22.9830, 0.3104, 0.2798 looks on a white background.

Color Contrast Check

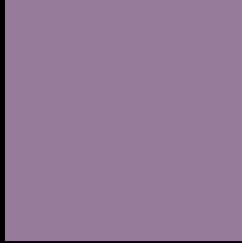
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9830, 0.3104, 0.2798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

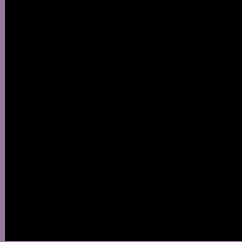
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9830, 0.3104, 0.2798

Background



This preview shows how black text looks on a background with the Yxy color 22.9830, 0.3104, 0.2798.



This preview shows how white text looks on a background with the Yxy color 22.9830, 0.3104, 0.2798.

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

22.9830, 0.3104, 0.2798

Protanopia

23.1714, 0.2795, 0.2818

Deuteranopia

23.1513, 0.2945, 0.2890



Tritanopia

22.9023, 0.3266, 0.3125

Trichromacy



Original Color

22.9830, 0.3104, 0.2798

Protanomaly

23.0236, 0.2905, 0.2811

Deuteranomaly

23.0541, 0.3000, 0.2863

Tritanomaly

22.9463, 0.3200, 0.2997

Monochromacy



Original Color

22.9830, 0.3104, 0.2798

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.7610, 0.3113, 0.3106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9830, 0.3104, 0.2798 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(150, 123, 154)` looks like.

```
.text, #text, p{  
    color:rgb(150, 123, 154)  
}
```

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(150, 123, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 123, 154) }
```

Border

The CSS property to change the border of an element to Yxy 22.9830, 0.3104, 0.2798 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(150, 123, 154) }
```

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

```
.border{ border-color:rgb(150, 123, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 123, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 123, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 123, 154);  
box-shadow:4px 4px 4px 4px rgb(150, 123,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9830, 0.3104, 0.2798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 123, 154) }
```

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

```
.background{ background-color: rgb(150,  
123, 154) }
```

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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