

Converting Colors

$Y_{xy}(23.0345, 0.2841, 0.2613)$

Have a look what the booklet for
Yxy(23.0345, 0.2841, 0.2613)
contains.

Yxy(22.9834, 0.2840, 0.2606)	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(22.9834, 0.2840, 0.2606)

Conversions

Conversions Part 1

Format	Color
Hex	8B7DA8
RGB	139, 125, 168
RGB Percent	55%, 49%, 66%
CMY	0.4550, 0.5098, 0.3412
CMYK	0.17, 0.26, 0.00, 0.34
HSL	260°, 20%, 57%
HSV	260°, 26%, 66%
XYZ	25.0471, 22.9834, 40.1636
YIQ	134.0880, -5.4590, 16.3410

Conversions

Conversions Part 2

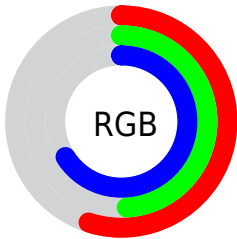
Format	Color
R_{YB}	139, 125, 168
Decimal	9141672
CIE _{Lab}	55.06, 14.29, -20.93
CIE _{LCh}	55, 25.338, 304.325
Yxy	22.9834, 0.2840, 0.2606
Android (android.graphics.Color)	4287331752 (0xFF8B7DA8)
YUV	134.0880, 16.7186, 4.3078
Hunter-Lab	47.9410, 9.3619, -16.1128

Details

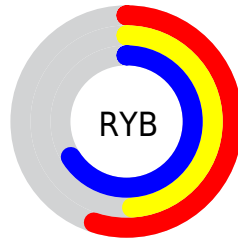
The Yxy color $22.9834, 0.2840, 0.2606$ is a dark color, and the websafe version is hex `9999CC`. A complement of this color would be $36.3605, 0.3367, 0.3944$, and the grayscale version is $23.8131, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.5060, 0.2907, 0.2753$, and $8.5045, 0.2718, 0.2368$ is the 20% darker color. If you saturate the color by 10%, you get $18.1581, 0.2700, 0.2302$, and if you desaturate by 10%, it is $28.6313, 0.2964, 0.2892$.

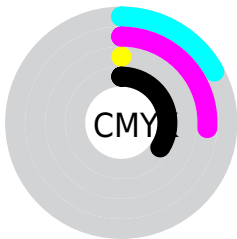
Distribution



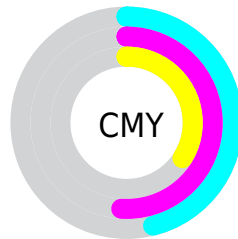
- Red (55%)
- Green (49%)
- Blue (66%)



- Red (55%)
- Yellow (49%)
- Blue (66%)



- Cyan (17%)
- Magenta (26%)
- Yellow (0%)
- Black (34%)



- Cyan (46%)
- Magenta (51%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.9834, 0.2840, 0.2606 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 22.9834, 0.2840, 0.2606 by changing the saturation by 10% instead.

■ 22.9834, 0.2840,
0.2606

■ 22.9834, 0.2840,
0.2606

267.6397, 0.3003,
0.2972

■ 14.5813, 0.2792,
0.2507

■ 48.3661, 0.2905,
0.2745

■ 8.5260, 0.2725,
0.2374

■ 66.1154, 0.2927,
0.2795

■ 4.4333, 0.2627,
0.2189

■ 87.7492, 0.2946,
0.2837

■ 1.9188, 0.2469,
0.1917

113.6519, 0.2961,
0.2873

■ 0.5596, 0.2208,
0.1402

144.2079, 0.2974,
0.2903

■ 0.0000, 0.0000,
0.0000

179.8016, 0.2985,

0.2929

220.8174, 0.2995,
0.2952

■ 22.9834, 0.2840,
0.2606

■ 22.9834, 0.2840,
0.2606

■ 18.1581, 0.2700,
0.2302

■ 28.6313, 0.2964,
0.2892

■ 14.1134, 0.2547,
0.1987

■ 35.1356, 0.3073,
0.3154

■ 10.8076, 0.2384,
0.1675

■ 42.5315, 0.3167,
0.3391

■ 8.1940, 0.2218,
0.1382

■ 50.8516, 0.3247,
0.3604

■ 6.2204, 0.2058,
0.1126

■ 60.1265, 0.3314,
0.3792

4.8268, 0.1912,
0.0923

70.3856, 0.3372,
0.3958

3.9366, 0.1788,
0.0783

81.6571, 0.3420,
0.4105

3.6286, 0.1740,
0.0732

91.1205, 0.3471,
0.4196

93.0548, 0.3548,
0.4173

Harmonies

Analogous

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



22.9834, 0.2496, 0.2578



22.9834, 0.2840, 0.2606



22.9834, 0.3287, 0.2787

Triad

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



22.9834, 0.2840, 0.2606



22.9834, 0.3997, 0.3784



22.9834, 0.2554, 0.3479

Complementary

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



22.9834, 0.2840, 0.2606



36.3605, 0.3367, 0.3944

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.



22.9834, 0.2926, 0.3884



22.9834, 0.2840, 0.2606



22.9834, 0.3765, 0.4037

Square

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



22.9834, 0.2840, 0.2606



22.9834, 0.3983, 0.3437



22.9834, 0.3369, 0.4091



22.9834, 0.2340, 0.3045

Rectangle

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



22.9834, 0.2840, 0.2606



22.9834, 0.3584, 0.2974



22.9834, 0.3369, 0.4091



22.9834, 0.2663, 0.3626

Sweetspot

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



22.9843, 0.2840, 0.2606



60.5885, 0.3047, 0.3090



30.4277, 0.2740, 0.3071



12.8217, 0.3031, 0.3052



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



22.9843, 0.2840, 0.2606



36.2974, 0.2758, 0.2426



24.9828, 0.3069, 0.2651



7.4145, 0.3035, 0.3060



2.7652, 0.1750, 0.0738



0.0947, 0.2139, 0.0952

Inverse Universe

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



25.3287, 0.3310, 0.2860



41.3825, 0.3364, 0.2756



34.4654, 0.3165, 0.3987



7.6245, 0.3185, 0.3139



7.2033, 0.4220, 0.2098



0.1840, 0.3815, 0.1875

Previews

White Background



This preview shows how the Yxy color 22.9834, 0.2840, 0.2606 looks on a white background.

Color Contrast Check

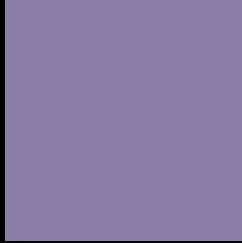
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9834, 0.2840, 0.2606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

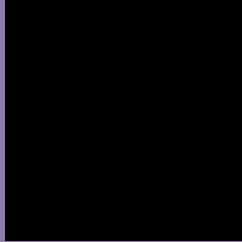
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9834, 0.2840, 0.2606

Background



This preview shows how black text looks on a background with the Yxy color 22.9834, 0.2840, 0.2606.



This preview shows how white text looks on a background with the Yxy color 22.9834, 0.2840, 0.2606.

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

22.9834, 0.2840, 0.2606

Protanopia

23.0088, 0.2632, 0.2598

Deuteranopia

22.9262, 0.2721, 0.2663



Tritanopia

22.9270, 0.3067, 0.3118

Trichromacy



Original Color

22.9834, 0.2840, 0.2606

Protanomaly

22.9678, 0.2704, 0.2591

Deuteranomaly

23.0537, 0.2770, 0.2654

Tritanomaly

22.8746, 0.2986, 0.2922

Monochromacy



Original Color

22.9834, 0.2840, 0.2606

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.5422, 0.3027, 0.3038

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9834, 0.2840, 0.2606 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(139, 125, 168)` looks like.

```
.text, #text, p{  
    color:rgb(139, 125, 168)  
}
```

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(139, 125, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 125, 168) }
```

Border

The CSS property to change the border of an element to Yxy 22.9834, 0.2840, 0.2606 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(139, 125, 168) }
```

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

```
.border{ border-color:rgb(139, 125, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 125, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 125, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 125, 168);  
box-shadow:4px 4px 4px 4px rgb(139, 125,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9834, 0.2840, 0.2606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 125, 168) }
```

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

```
.background{ background-color: rgb(139,  
125, 168) }
```

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