

Converting Colors

$Y_{xy}(23.8115, 0.2791, 0.2475)$

Have a look what the booklet for
Yxy(23.8115, 0.2791, 0.2475)
contains.

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Color

Yxy(23.8109, 0.2800, 0.2481)

Conversions

Conversions Part 1

Format	Color
Hex	907DB2
RGB	144, 125, 178
RGB Percent	56%, 49%, 70%
CMY	0.4352, 0.5098, 0.3020
CMYK	0.19, 0.30, 0.00, 0.30
HSL	262°, 26%, 59%
HSV	262°, 30%, 70%
XYZ	26.8724, 23.8109, 45.2897
YIQ	136.7230, -5.6890, 20.5110

Conversions

Conversions Part 2

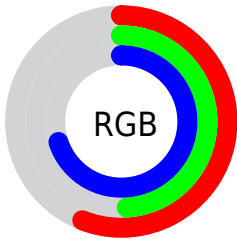
Format	Color
RYB	144, 125, 178
Decimal	9469362
CIELab	55.90, 18.26, -25.33
CIElCh	56, 31.228, 305.786
Yxy	23.8109, 0.2800, 0.2481
Android (android.graphics.Color)	4287659442 (0xFF907DB2)
YUV	136.7230, 20.3496, 6.3819
Hunter-Lab	48.7964, 12.9072, -20.8716

Details

The Yxy color **23.8109, 0.2800, 0.2481** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **40.6812, 0.3389, 0.4066**, and the grayscale version is **24.8310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7871, 0.2869, 0.2642**, and **8.9767, 0.2677, 0.2225** is the 20% darker color. If you saturate the color by 10%, you get **18.7262, 0.2661, 0.2173**, and if you desaturate by 10%, it is **29.8088, 0.2925, 0.2774**.

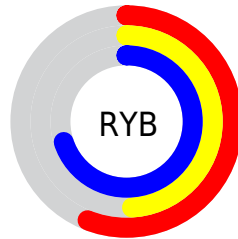
Distribution



Red (56%)

Green (49%)

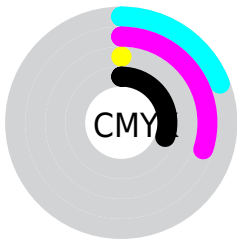
Blue (70%)



Red (56%)

Yellow (49%)

Blue (70%)

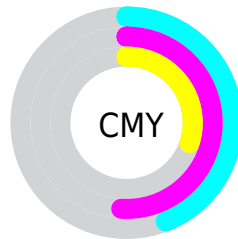


Cyan (19%)

Magenta (30%)

Yellow (0%)

Black (30%)



Cyan (44%)

Magenta (51%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8109, 0.2800, 0.2481 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 23.8109, 0.2800, 0.2481 by changing the saturation by 10% instead.

■ 23.8109, 0.2800,
0.2481

■ 23.8109, 0.2800,
0.2481

■ 271.8631, 0.2986,
0.2907

■ 15.1934, 0.2746,
0.2368

■ 49.7214, 0.2873,
0.2641

■ 8.9552, 0.2671,
0.2221

■ 67.7833, 0.2899,
0.2699

■ 4.7120, 0.2562,
0.2019

■ 89.7620, 0.2920,
0.2748

■ 2.0793, 0.2393,
0.1732

■ 116.0420, 0.2937,
0.2789

■ 0.6529, 0.2108,
0.1266

■ 147.0078, 0.2952,
0.2825

■ 0.0000, 0.0107,
0.0000

■ 183.0436, 0.2965,

■ 0.0000, 0.0000,

0.2856

0.0000

224.5339, 0.2976,
0.2883

■ 23.8109, 0.2800,
0.2481

■ 23.8109, 0.2800,
0.2481

■ 18.7262, 0.2661,
0.2173

■ 29.8088, 0.2925,
0.2774

■ 14.5055, 0.2509,
0.1861

■ 36.7599, 0.3035,
0.3047

■ 11.0995, 0.2350,
0.1559

■ 44.7052, 0.3129,
0.3295

■ 8.4525, 0.2190,
0.1283

■ 53.6825, 0.3210,
0.3519

■ 6.5014, 0.2038,
0.1052

■ 63.7276, 0.3279,
0.3719

■ 5.1723, 0.1902,
0.0878

■ 74.8744, 0.3336,
0.3896

■ 4.3183, 0.1787,
0.0759

■ 87.1555, 0.3385,
0.4053

■ 4.3006, 0.1784,
0.0756

■ 92.4441, 0.3451,
0.4083

■ 94.4517, 0.3529,
0.4062

Harmonies

Analogous

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



23.8109, 0.2384, 0.2433



23.8109, 0.2800, 0.2481



23.8109, 0.3344, 0.2703

Triad

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



23.8109, 0.2800, 0.2481



23.8109, 0.4175, 0.3890



23.8109, 0.2415, 0.3489

Complementary

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



23.8109, 0.2800, 0.2481



40.6812, 0.3389, 0.4066

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.



23.8109, 0.2851, 0.4005



23.8109, 0.2800, 0.2481



23.8109, 0.3873, 0.4202

Square

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



23.8109, 0.2800, 0.2481



23.8109, 0.4180, 0.3474



23.8109, 0.3384, 0.4272



23.8109, 0.2177, 0.2958

Rectangle

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



23.8109, 0.2800, 0.2481



23.8109, 0.3707, 0.2926



23.8109, 0.3384, 0.4272



23.8109, 0.2542, 0.3675

Sweetspot

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



23.8119, 0.2800, 0.2481



67.5079, 0.3041, 0.3063



32.5208, 0.2673, 0.3002



14.5253, 0.3026, 0.3025



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



23.8119, 0.2800, 0.2481



36.6950, 0.2706, 0.2271



26.4304, 0.3075, 0.2544



8.3737, 0.3039, 0.3059



3.1104, 0.1795, 0.0763



0.1314, 0.2134, 0.0949

Inverse Universe

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



26.6315, 0.3369, 0.2809



42.7718, 0.3443, 0.2695



38.2967, 0.3154, 0.4125



8.5939, 0.3190, 0.3145



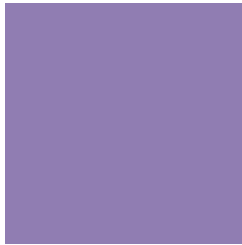
7.6553, 0.4354, 0.2172



0.2515, 0.3960, 0.1955

Previews

White Background



This preview shows how the Yxy color 23.8109, 0.2800, 0.2481 looks on a white background.

Color Contrast Check

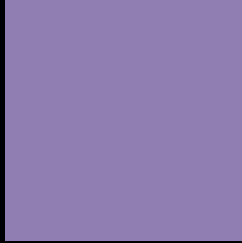
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8109, 0.2800, 0.2481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

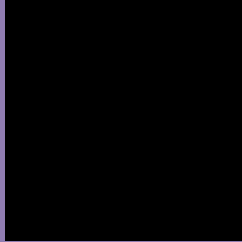
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8109, 0.2800, 0.2481

Background



This preview shows how black text looks on a background with the Yxy color 23.8109, 0.2800, 0.2481.



This preview shows how white text looks on a background with the Yxy color 23.8109, 0.2800, 0.2481.

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

23.8109, 0.2800, 0.2481

Protanopia

23.8434, 0.2533, 0.2474

Deuteranopia

23.9619, 0.2623, 0.2566



Tritanopia

23.8588, 0.3090, 0.3122

Trichromacy



Original Color

23.8109, 0.2800, 0.2481

Protanomaly

23.6259, 0.2623, 0.2469

Deuteranomaly

23.7001, 0.2684, 0.2530

Tritanomaly

23.6425, 0.2980, 0.2866

Monochromacy



Original Color

23.8109, 0.2800, 0.2481

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.6175, 0.3010, 0.2979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8109, 0.2800, 0.2481 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(144, 125, 178)` looks like.

```
.text, #text, p{  
    color:rgb(144, 125, 178)  
}
```

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(144, 125, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 125, 178) }
```

Border

The CSS property to change the border of an element to Yxy 23.8109, 0.2800, 0.2481 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(144, 125, 178) }
```

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

```
.border{ border-color:rgb(144, 125, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 125, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 125, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 125, 178);  
box-shadow:4px 4px 4px 4px rgb(144, 125,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8109, 0.2800, 0.2481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 125, 178) }
```

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

```
.background{ background-color: rgb(144,  
125, 178) }
```

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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