

Converting Colors

$Y_{xy}(11.4001, 0.2412, 0.1180)$

Have a look what the booklet for
Yxy(11.4001, 0.2412, 0.1180)
contains.

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Color

Yxy(11.3839, 0.2410, 0.1178)

Conversions

Conversions Part 1

Format	Color
Hex	8E1FD2
RGB	142, 31, 210
RGB Percent	56%, 12%, 82%
CMY	0.4429, 0.8790, 0.1763
CMYK	0.32, 0.85, 0.00, 0.18
HSL	277°, 74%, 47%
HSV	277°, 85%, 82%
XYZ	23.2896, 11.3839, 61.9640
YIQ	84.5950, 8.6970, 79.2010

Conversions

Conversions Part 2

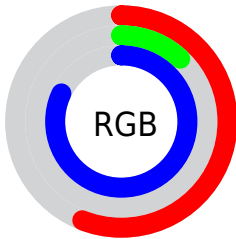
Format	Color
R_{YB}	142, 31, 210
Decimal	9314258
CIE _{Lab}	40.22, 70.55, -68.81
CIE _{LCh}	40, 98.552, 315.718
Yxy	11.3839, 0.2410, 0.1178
Android (android.graphics.Color)	4287504338 (0xFF8E1FD2)
YUV	84.5950, 61.8247, 50.3442
Hunter-Lab	33.7400, 64.1676, -85.2688

Details

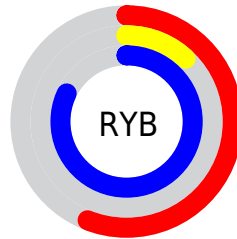
The Yxy color **11.3839, 0.2410, 0.1178** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **48.8507, 0.3287, 0.5648**, and the grayscale version is **8.8508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.4662, 0.2693, 0.1606**, and **4.1721, 0.2115, 0.0939** is the 20% darker color. If you saturate the color by 10%, you get **9.9454, 0.2314, 0.1066**, and if you desaturate by 10%, it is **13.5860, 0.2512, 0.1341**.

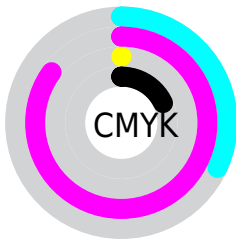
Distribution



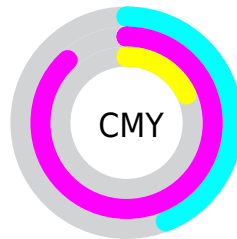
- Red (56%)
- Green (12%)
- Blue (82%)



- Red (56%)
- Yellow (12%)
- Blue (82%)



- Cyan (32%)
- Magenta (85%)
- Yellow (0%)
- Black (18%)





- Cyan (44%)
- Magenta (88%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.3839, 0.2410, 0.1178 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 11.3839, 0.2410, 0.1178 by changing the saturation by 10% instead.


 11.3839, 0.2410,
0.1178


 11.3839, 0.2410,
0.1178

200.2827, 0.2870,
0.2197


 6.3257, 0.2268,
0.0961


 28.3679, 0.2599,
0.1526

 3.0441, 0.2075,
0.0713


 41.0625, 0.2664,
0.1664


 1.1548, 0.1807,
0.0444

 57.0713, 0.2716,
0.1784

 0.0243, 0.1457,
0.0017

 76.7787, 0.2759,
0.1888

 0.0000, 0.0919,
0.0000

 100.5692, 0.2794,
0.1980

 0.0000, 0.0000,
0.0000

 128.8271, 0.2824,

0.2061

161.9368, 0.2849,
0.2132

■ 11.3839, 0.2410,
0.1178

■ 11.3839, 0.2410,
0.1178

■ 9.9454, 0.2314,
0.1066

■ 13.5860, 0.2512,
0.1341

■ 9.4292, 0.2271,
0.1024

■ 16.6718, 0.2615,
0.1551

■ 20.7410, 0.2716,
0.1797

■ 25.8790, 0.2811,
0.2067

■ 32.1620, 0.2898,
0.2348

■ 39.6590, 0.2976,
0.2630

■ 48.4334, 0.3043,
0.2902

■ 58.5439, 0.3100,
0.3160

■ 70.0459, 0.3149,
0.3400

Harmonies

Analogous

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



11.3839, 0.1211, 0.0931



11.3839, 0.2410, 0.1178



11.3839, 0.4513, 0.1752

Triad

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



11.3839, 0.2410, 0.1178



11.3839, 0.5587, 0.4413



11.3839, 0.0617, 0.2879

Complementary

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



11.3839, 0.2410, 0.1178



48.8507, 0.3287, 0.5648

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.



11.3839, 0.1266, 0.5991



11.3839, 0.2410, 0.1178



11.3839, 0.4011, 0.5989

Square

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



11.3839, 0.2410, 0.1178



11.3839, 0.6680, 0.3320



11.3839, 0.2523, 0.7453



11.3839, 0.0501, 0.1436

Rectangle

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



11.3839, 0.2410, 0.1178



11.3839, 0.5954, 0.2260



11.3839, 0.2523, 0.7453



11.3839, 0.0755, 0.3767

Sweetspot

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



11.3843, 0.2410, 0.1178



60.2845, 0.2968, 0.2602



13.9710, 0.1787, 0.1494



11.9988, 0.2942, 0.2504



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



11.3843, 0.2410, 0.1178



14.5165, 0.2261, 0.1019



18.3590, 0.3472, 0.1757



11.7758, 0.3078, 0.3057



5.8089, 0.2284, 0.1032



0.3695, 0.2454, 0.1125

Inverse Universe

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



15.5768, 0.5045, 0.2680



22.1180, 0.5511, 0.2809



46.6445, 0.2961, 0.5701



11.8814, 0.3232, 0.3202



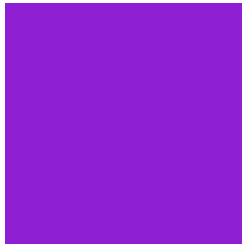
8.7262, 0.5445, 0.2773



0.5032, 0.4946, 0.2499

Previews

White Background



This preview shows how the Yxy color 11.3839, 0.2410, 0.1178 looks on a white background.

Color Contrast Check

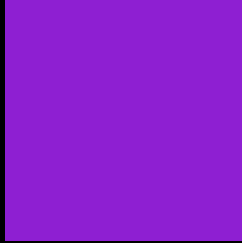
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 11.3839, 0.2410, 0.1178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

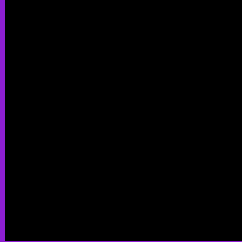
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.3839, 0.2410, 0.1178

Background



This preview shows how black text looks on a background with the Yxy color 11.3839, 0.2410, 0.1178.



This preview shows how white text looks on a background with the Yxy color 11.3839, 0.2410, 0.1178.

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

11.3839, 0.2410, 0.1178

Protanopia

11.5493, 0.1747, 0.1487

Deuteranopia

11.5625, 0.1854, 0.1875



Tritanopia

11.4932, 0.3622, 0.3167

Trichromacy



Original Color

11.3839, 0.2410, 0.1178



Protanomaly

9.2805, 0.1776, 0.1175



Deuteranomaly

9.0465, 0.1843, 0.1343



Tritanomaly

10.3128, 0.3088, 0.2071

Monochromacy



Original Color

11.3839, 0.2410, 0.1178



Achromatopsia

9.0842, 0.3127, 0.3290



Achromatomaly

8.4565, 0.2795, 0.1992

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3839, 0.2410, 0.1178 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(142, 31, 210)` looks like.

```
.text, #text, p{  
    color:rgb(142, 31, 210)  
}
```

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(142, 31, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 31, 210) }
```

Border

The CSS property to change the border of an element to Yxy 11.3839, 0.2410, 0.1178 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(142, 31, 210) }
```

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

```
.border{ border-color:rgb(142, 31, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 31, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 31, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 31, 210);  
box-shadow:4px 4px 4px 4px rgb(142, 31,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 11.3839, 0.2410, 0.1178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 31, 210) }
```

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

```
.background{ background-color: rgb(142, 31,  
210) }
```

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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