

Converting Colors

$Y_{xy}(10.3938, 0.2392, 0.1154)$

Have a look what the booklet for
Yxy(10.3938, 0.2392, 0.1154)
contains.

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Color

Yxy(10.4168, 0.2398, 0.1157)

Conversions

Conversions Part 1

Format	Color
Hex	891ACC
RGB	137, 26, 204
RGB Percent	54%, 10%, 80%
CMY	0.4627, 0.8983, 0.1998
CMYK	0.33, 0.87, 0.00, 0.20
HSL	277°, 77%, 45%
HSV	277°, 87%, 80%
XYZ	21.5899, 10.4168, 58.0262
YIQ	79.4810, 9.0180, 78.8900

Conversions

Conversions Part 2

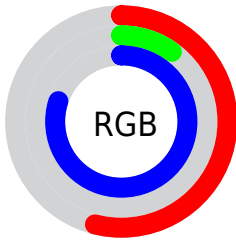
Format	Color
RYB	137, 26, 204
Decimal	8985292
CIELab	38.58, 69.82, -68.05
CIElCh	39, 97.491, 315.735
Yxy	10.4168, 0.2398, 0.1157
Android (android.graphics.Color)	4287175372 (0xFF891ACC)
YUV	79.4810, 61.3879, 50.4442
Hunter-Lab	32.2751, 62.9233, -84.0028

Details

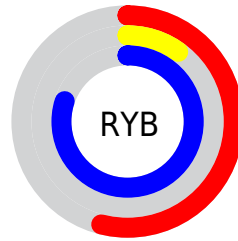
The Yxy color **10.4168, 0.2398, 0.1157** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **45.6064, 0.3275, 0.5680**, and the grayscale version is **7.7894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.1005, 0.2645, 0.1556**, and **3.7578, 0.2094, 0.0927** is the 20% darker color. If you saturate the color by 10%, you get **9.1749, 0.2304, 0.1053**, and if you desaturate by 10%, it is **12.3345, 0.2498, 0.1310**.

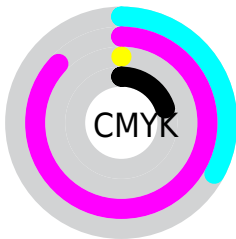
Distribution



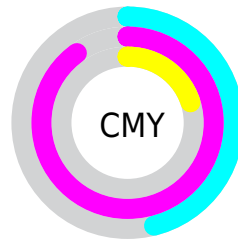
- Red (54%)
- Green (10%)
- Blue (80%)



- Red (54%)
- Yellow (10%)
- Blue (80%)



- Cyan (33%)
- Magenta (87%)
- Yellow (0%)
- Black (20%)





- Cyan (46%)
- Magenta (90%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4168, 0.2398, 0.1157 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 10.4168, 0.2398, 0.1157 by changing the saturation by 10% instead.


 10.4168, 0.2398,
0.1157


 10.4168, 0.2398,
0.1157


193.6215, 0.2871,
0.2196


 5.6762, 0.2250,
0.0934


 26.5766, 0.2594,
0.1513


 2.6492, 0.2047,
0.0680


 38.7645, 0.2661,
0.1655


 0.9515, 0.1764,
0.0406

 54.2036, 0.2714,
0.1777

 0.0000, 0.1388,
0.0000

 73.2784, 0.2757,
0.1883

 0.0000, 0.0778,
0.0000

 96.3732, 0.2793,
0.1977

 0.0000, 0.0000,
0.0000

 123.8724, 0.2823,

0.2059

156.1603, 0.2849,
0.2131

■ 10.4168, 0.2398,
0.1157

■ 10.4168, 0.2398,
0.1157

■ 9.1749, 0.2304,
0.1053

■ 12.3345, 0.2498,
0.1310

■ 8.8925, 0.2279,
0.1029

■ 15.0577, 0.2600,
0.1511

■ 18.6821, 0.2701,
0.1750

■ 23.2895, 0.2796,
0.2016

■ 28.9522, 0.2884,
0.2295

■ 35.7356, 0.2963,
0.2576

■ 43.6997, 0.3031,
0.2850

■ 52.9001, 0.3090,
0.3111

■ 63.3889, 0.3140,
0.3354

Harmonies

Analogous

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



10.4168, 0.1191, 0.0911



10.4168, 0.2398, 0.1157



10.4168, 0.4535, 0.1733

Triad

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



10.4168, 0.2398, 0.1157



10.4168, 0.5599, 0.4401



10.4168, 0.0591, 0.2861

Complementary

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



10.4168, 0.2398, 0.1157



45.6064, 0.3275, 0.5680

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.



10.4168, 0.1232, 0.6048



10.4168, 0.2398, 0.1157



10.4168, 0.3993, 0.6007

Square

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



10.4168, 0.2398, 0.1157



10.4168, 0.6707, 0.3293



10.4168, 0.2484, 0.7516



10.4168, 0.0481, 0.1409

Rectangle

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



10.4168, 0.2398, 0.1157



10.4168, 0.6001, 0.2241



10.4168, 0.2484, 0.7516



10.4168, 0.0726, 0.3765

Sweetspot

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



10.4171, 0.2398, 0.1157



60.3168, 0.2970, 0.2602



12.6242, 0.1769, 0.1455



12.0065, 0.2944, 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.



10.4171, 0.2398, 0.1157



14.5932, 0.2268, 0.1023



17.0096, 0.3479, 0.1748



11.1846, 0.3079, 0.3057



5.6492, 0.2291, 0.1036



0.3340, 0.2471, 0.1135

Inverse Universe

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



14.3696, 0.5112, 0.2695



22.1041, 0.5523, 0.2816



43.6279, 0.2963, 0.5736



11.2824, 0.3232, 0.3203



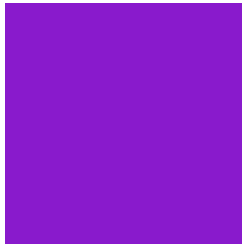
8.4320, 0.5454, 0.2778



0.4496, 0.4921, 0.2484

Previews

White Background



This preview shows how the Yxy color 10.4168, 0.2398, 0.1157 looks on a white background.

Color Contrast Check

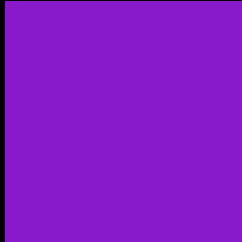
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.4168, 0.2398, 0.1157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

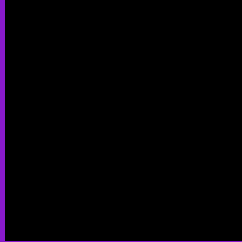
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.4168, 0.2398, 0.1157

Background



This preview shows how black text looks on a background with the Yxy color 10.4168, 0.2398, 0.1157.



This preview shows how white text looks on a background with the Yxy color 10.4168, 0.2398, 0.1157.

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

10.4168, 0.2398, 0.1157

Protanopia

10.7326, 0.1749, 0.1497

Deuteranopia

10.6140, 0.1852, 0.1868



Tritanopia

10.4689, 0.3607, 0.3141

Trichromacy



Original Color

10.4168, 0.2398, 0.1157

Protanomaly

8.4248, 0.1773, 0.1159

Deuteranomaly

8.1087, 0.1834, 0.1307

Tritanomaly

9.3690, 0.3070, 0.2035

Monochromacy



Original Color

10.4168, 0.2398, 0.1157

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

7.3963, 0.2777, 0.1954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4168, 0.2398, 0.1157 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(137, 26, 204)` looks like.

```
.text, #text, p{  
    color:rgb(137, 26, 204)  
}
```

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(137, 26, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 26, 204) }
```

Border

The CSS property to change the border of an element to Yxy 10.4168, 0.2398, 0.1157 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(137, 26, 204) }
```

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

```
.border{ border-color:rgb(137, 26, 204) }
```

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

Here you see how a box with a 4 pixel rgb(137, 26, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 26, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 26, 204);  
box-shadow:4px 4px 4px 4px rgb(137, 26,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 10.4168, 0.2398, 0.1157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 26, 204) }
```

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

```
.background{ background-color: rgb(137, 26,  
204) }
```

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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