

Converting Colors

$Y_{xy}(11.3055, 0.2138, 0.0970)$

Have a look what the booklet for
Yxy(11.3055, 0.2138, 0.0970)
contains.

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Color

Yxy(11.3305, 0.2142, 0.0972)

Conversions

Conversions Part 1

Format	Color
Hex	850DEC
RGB	133, 13, 236
RGB Percent	52%, 5%, 93%
CMY	0.4782, 0.9501, 0.0743
CMYK	0.44, 0.95, 0.00, 0.07
HSL	272°, 90%, 49%
HSV	272°, 95%, 93%
XYZ	24.9691, 11.3305, 80.2694
YIQ	74.3020, -0.0630, 94.7930

Conversions

Conversions Part 2

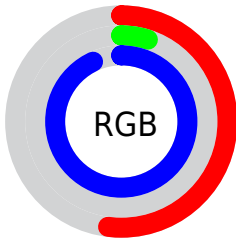
Format	Color
R _Y B	133, 13, 236
Decimal	8719852
CIE Lab	40.13, 78.28, -83.89
CIE LCh	40, 114.743, 313.017
Yxy	11.3305, 0.2142, 0.0972
Android (android.graphics.Color)	4286909932 (0xFF850DEC)
YUV	74.3020, 79.7171, 51.4781
Hunter-Lab	33.6608, 73.5021, -117.8235

Details

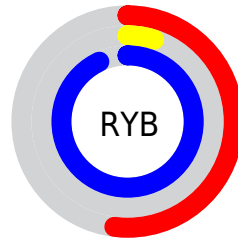
The Yxy color **11.3305, 0.2142, 0.0972** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **63.7446, 0.3334, 0.5707**, and the grayscale version is **6.7334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.4777, 0.2634, 0.1530**, and **4.4836, 0.1815, 0.0774** is the 20% darker color. If you saturate the color by 10%, you get **10.5858, 0.2086, 0.0923**, and if you desaturate by 10%, it is **13.2645, 0.2253, 0.1096**.

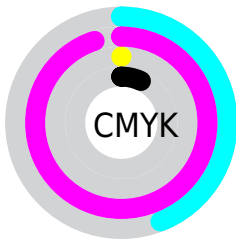
Distribution



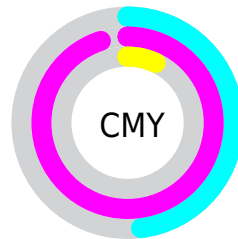
- Red (52%)
- Green (5%)
- Blue (93%)



- Red (52%)
- Yellow (5%)
- Blue (93%)



- Cyan (44%)
- Magenta (95%)
- Yellow (0%)
- Black (7%)





- Cyan (48%)
- Magenta (95%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.3305, 0.2142, 0.0972 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 11.3305, 0.2142, 0.0972 by changing the saturation by 10% instead.


 11.3305, 0.2142,
0.0972

 11.3305, 0.2142,
0.0972


199.9212, 0.2740,
0.2029


 6.2896, 0.1976,
0.0768


 28.2697, 0.2376,
0.1316


 3.0220, 0.1763,
0.0547


 40.9368, 0.2460,
0.1458


 1.1432, 0.1486,
0.0321

 56.9148, 0.2528,
0.1583

 0.0146, 0.1145,
0.0007

 76.5880, 0.2586,
0.1694

 0.0000, 0.0707,
0.0000

 100.3408, 0.2634,
0.1792

 0.0000, 0.0000,
0.0000

 128.5577, 0.2674,

0.1879

161.6230, 0.2710,
0.1958

■ 11.3305, 0.2142,
0.0972

■ 11.3305, 0.2142,
0.0972

■ 10.5858, 0.2086,
0.0923

■ 13.2645, 0.2253,
0.1096

■ 16.2348, 0.2374,
0.1274

■ 20.4036, 0.2498,
0.1501

■ 25.9037, 0.2621,
0.1765

■ 32.8493, 0.2738,
0.2052

■ 41.3424, 0.2846,
0.2346

■ 51.4752, 0.2942,
0.2637

■ 63.3327, 0.3026,
0.2916

■ 76.9937, 0.3098,
0.3177

Harmonies

Analogous

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



11.3305, 0.0977, 0.0758



11.3305, 0.2142, 0.0972



11.3305, 0.4439, 0.1521

Triad

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



11.3305, 0.2142, 0.0972



11.3305, 0.5838, 0.4162



11.3305, 0.0440, 0.2974

Complementary

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



11.3305, 0.2142, 0.0972



63.7446, 0.3334, 0.5707

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.



11.3305, 0.1063, 0.6853



11.3305, 0.2142, 0.0972



11.3305, 0.4038, 0.5962

Square

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



11.3305, 0.2142, 0.0972



11.3305, 0.6989, 0.3011



11.3305, 0.2273, 0.7727



11.3305, 0.0344, 0.1297

Rectangle

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



11.3305, 0.2142, 0.0972



11.3305, 0.6158, 0.2025



11.3305, 0.2273, 0.7727



11.3305, 0.0567, 0.4091

Sweetspot

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



11.3308, 0.2142, 0.0972



56.8758, 0.2910, 0.2536



18.8516, 0.1770, 0.1540



11.0667, 0.2867, 0.2410



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.



11.3308, 0.2142, 0.0972



12.5719, 0.2082, 0.0921



23.7583, 0.3290, 0.1600



14.9486, 0.3064, 0.3052



5.9100, 0.2102, 0.0932



0.5212, 0.2247, 0.1011

Inverse Universe

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



19.3773, 0.5022, 0.2568



22.5586, 0.5169, 0.2621



60.1570, 0.2996, 0.5948



15.1696, 0.3221, 0.3182



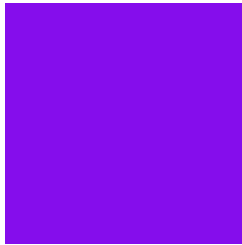
10.4621, 0.5120, 0.2594



0.8408, 0.4787, 0.2411

Previews

White Background



This preview shows how the Yxy color 11.3305, 0.2142, 0.0972 looks on a white background.

Color Contrast Check

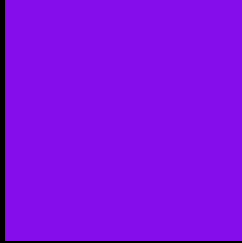
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.3305, 0.2142, 0.0972 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 11.3305, 0.2142, 0.0972

Background



This preview shows how black text looks on a background with the Yxy color 11.3305, 0.2142, 0.0972.



This preview shows how white text looks on a background with the Yxy color 11.3305, 0.2142, 0.0972.

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

11.3305, 0.2142, 0.0972

Protanopia

11.5493, 0.1747, 0.1487

Deuteranopia

11.4885, 0.1861, 0.1901



Tritanopia

11.5155, 0.3150, 0.3132

Trichromacy



Original Color

11.3305, 0.2142, 0.0972



Protanomaly

8.7868, 0.1716, 0.1039



Deuteranomaly

8.4043, 0.1772, 0.1179



Tritanomaly

9.3474, 0.2659, 0.1767

Monochromacy



Original Color

11.3305, 0.2142, 0.0972



Achromatopsia

6.8478, 0.3127, 0.3290



Achromatomaly

6.5823, 0.2565, 0.1659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3305, 0.2142, 0.0972 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(133, 13, 236)` looks like.

```
.text, #text, p{  
    color:rgb(133, 13, 236)  
}
```

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(133, 13, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 13, 236) }
```

Border

The CSS property to change the border of an element to Yxy 11.3305, 0.2142, 0.0972 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(133, 13, 236) }
```

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

```
.border{ border-color:rgb(133, 13, 236) }
```

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

Here you see how a box with a 4 pixel rgb(133, 13, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 13, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 13, 236);  
box-shadow:4px 4px 4px 4px rgb(133, 13,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 11.3305, 0.2142, 0.0972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 13, 236) }
```

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

```
.background{ background-color: rgb(133, 13,  
236) }
```

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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