

Converting Colors

$Y_{xy}(14.3972, 0.2304, 0.1139)$

Have a look what the booklet for
Yxy(14.3972, 0.2304, 0.1139)
contains.

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Color

Yxy(14.3972, 0.2304, 0.1139)

Conversions

Conversions Part 1

Format	Color
Hex	9729EF
RGB	151, 41, 239
RGB Percent	59%, 16%, 94%
CMY	0.4081, 0.8388, 0.0629
CMYK	0.37, 0.83, 0.00, 0.06
HSL	273°, 86%, 55%
HSV	273°, 83%, 94%
XYZ	29.1230, 14.3972, 82.8819
YIQ	96.4620, 2.0020, 84.8980

Conversions

Conversions Part 2

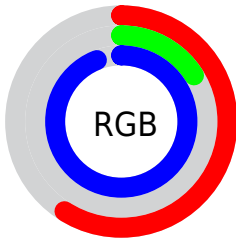
Format	Color
R _Y B	151, 41, 239
Decimal	9906671
CIE Lab	44.80, 75.03, -77.79
CIE LCh	45, 108.074, 313.964
Yxy	14.3972, 0.2304, 0.1139
Android (android.graphics.Color)	4288096751 (0xFF9729EF)
YUV	96.4620, 70.2712, 47.8298
Hunter-Lab	37.9436, 70.6035, -102.9490

Details

The Yxy color **14.3972, 0.2304, 0.1139** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **66.5549, 0.3369, 0.5559**, and the grayscale version is **11.6529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7198, 0.2797, 0.1720**, and **5.5511, 0.2014, 0.0883** is the 20% darker color. If you saturate the color by 10%, you get **12.2401, 0.2193, 0.1008**, and if you desaturate by 10%, it is **17.6489, 0.2422, 0.1324**.

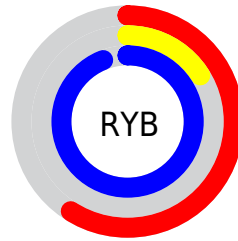
Distribution



Red (59%)

Green (16%)

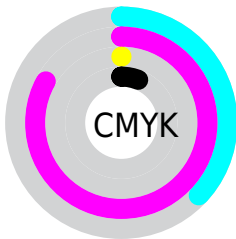
Blue (94%)



Red (59%)

Yellow (16%)

Blue (94%)

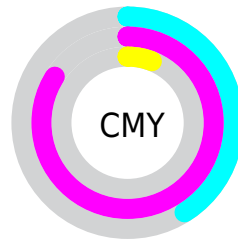


Cyan (37%)

Magenta (83%)

Yellow (0%)

Black (6%)



Cyan (41%)


Magenta (84%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.3972, 0.2304, 0.1139 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 14.3972, 0.2304, 0.1139 by changing the saturation by 10% instead.


 14.3972, 0.2304,
0.1139


 14.3972, 0.2304,
0.1139


219.6880, 0.2802,
0.2125


 8.3974, 0.2164,
0.0941


 33.7922, 0.2500,
0.1465


 4.3503, 0.1981,
0.0718


 47.9561, 0.2569,
0.1597


 1.8714, 0.1739,
0.0477


 65.6103, 0.2626,
0.1714

 0.5311, 0.1420,
0.0222

 87.1391, 0.2674,
0.1816

 0.0000, 0.1007,
0.0000

 112.9269, 0.2714,
0.1907

 0.0000, 0.0332,
0.0000

 143.3580, 0.2748,

 0.0000, 0.0000,

0.1987

0.0000

178.8169, 0.2777,
0.2060

■ 14.3972, 0.2304,
0.1139

■ 14.3972, 0.2304,
0.1139

■ 12.2401, 0.2193,
0.1008

■ 17.6489, 0.2422,
0.1324

■ 11.1881, 0.2120,
0.0941

■ 22.1537, 0.2543,
0.1556

■ 28.0446, 0.2661,
0.1822

■ 35.4365, 0.2772,
0.2109

■ 44.4322, 0.2874,
0.2401

■ 55.1250, 0.2965,
0.2689

■ 67.6010, 0.3043,
0.2965

■ 81.9402, 0.3110,
0.3222

■ 97.4573, 0.3168,
0.3447

Harmonies

Analogous

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



14.3972, 0.1151, 0.0911



14.3972, 0.2304, 0.1139



14.3972, 0.4388, 0.1696

Triad

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



14.3972, 0.2304, 0.1139



14.3972, 0.5678, 0.4322



14.3972, 0.0617, 0.3007

Complementary

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



14.3972, 0.2304, 0.1139



66.5549, 0.3369, 0.5559

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.



14.3972, 0.1301, 0.6221



14.3972, 0.2304, 0.1139



14.3972, 0.4097, 0.5903

Square

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



14.3972, 0.2304, 0.1139



14.3972, 0.6722, 0.3243



14.3972, 0.2568, 0.7432



14.3972, 0.0484, 0.1464

Rectangle

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



14.3972, 0.2304, 0.1139



14.3972, 0.5880, 0.2200



14.3972, 0.2568, 0.7432



14.3972, 0.0765, 0.3949

Sweetspot

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



14.3976, 0.2304, 0.1139



60.8625, 0.2945, 0.2624



22.7092, 0.1857, 0.1721



12.0778, 0.2913, 0.2523



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.



14.3976, 0.2304, 0.1139



13.0864, 0.2126, 0.0948



25.6008, 0.3312, 0.1678



15.6613, 0.3067, 0.3052



6.2636, 0.2135, 0.0950



0.5800, 0.2270, 0.1024

Inverse Universe

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



21.5282, 0.4763, 0.2541



22.5502, 0.5212, 0.2650



62.4284, 0.2990, 0.5765



15.8757, 0.3223, 0.3185



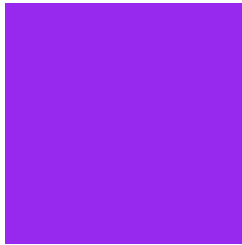
10.7455, 0.5191, 0.2633



0.9137, 0.4865, 0.2454

Previews

White Background



This preview shows how the Yxy color 14.3972, 0.2304, 0.1139 looks on a white background.

Color Contrast Check

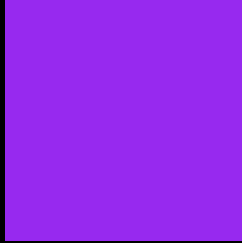
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.3972, 0.2304, 0.1139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

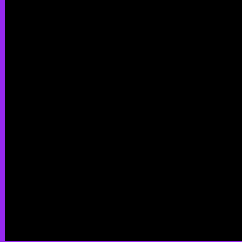
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 14.3972, 0.2304, 0.1139

Background



This preview shows how black text looks on a background with the Yxy color 14.3972, 0.2304, 0.1139.



This preview shows how white text looks on a background with the Yxy color 14.3972, 0.2304, 0.1139.

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

14.3972, 0.2304, 0.1139

Protanopia

14.6584, 0.1746, 0.1484

Deuteranopia

14.5251, 0.1851, 0.1862



Tritanopia

14.3452, 0.3402, 0.3134

Trichromacy



Original Color

14.3972, 0.2304, 0.1139



Protanomaly

11.9314, 0.1760, 0.1173



Deuteranomaly

11.6091, 0.1820, 0.1330



Tritanomaly

12.8837, 0.2892, 0.2017

Monochromacy



Original Color

14.3972, 0.2304, 0.1139



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

11.2596, 0.2730, 0.1994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.3972, 0.2304, 0.1139 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(151, 41, 239)` looks like.

```
.text, #text, p{  
    color:rgb(151, 41, 239)  
}
```

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(151, 41, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 41, 239) }
```

Border

The CSS property to change the border of an element to Yxy 14.3972, 0.2304, 0.1139 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(151, 41, 239) }
```

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

```
.border{ border-color:rgb(151, 41, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 41, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 41, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 41, 239);  
box-shadow:4px 4px 4px 4px rgb(151, 41,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 14.3972, 0.2304, 0.1139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 41, 239) }
```

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

```
.background{ background-color: rgb(151, 41,  
239) }
```

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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