

Converting Colors

$Y_{xy}(13.3892, 0.2208, 0.0990)$

Have a look what the booklet for
Yxy(13.3892, 0.2208, 0.0990)
contains.

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Color

Yxy(13.4491, 0.2210, 0.0991)

Conversions

Conversions Part 1

Format	Color
Hex	9600FB
RGB	150, 0, 251
RGB Percent	59%, 0%, 98%
CMY	0.4116, 1.0000, 0.0157
CMYK	0.40, 1.00, 0.00, 0.02
HSL	276°, 100%, 49%
HSV	276°, 100%, 98%
XYZ	29.9924, 13.4491, 92.2709
YIQ	73.4640, 8.8290, 109.8610

Conversions

Conversions Part 2

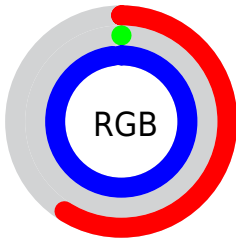
Format	Color
R_{YB}	150, 0, 251
Decimal	9830651
CIE _{Lab}	43.43, 84.23, -86.79
CIE _{LCh}	43, 120.945, 314.141
Yxy	13.4491, 0.2210, 0.0991
Android (android.graphics.Color)	4288020731 (0xFF9600FB)
YUV	73.4640, 87.5252, 67.1221
Hunter-Lab	36.6730, 81.8056, -123.5051

Details

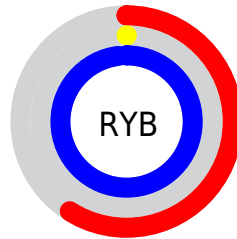
The Yxy color **13.4491, 0.2210, 0.0991** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **71.7503, 0.3231, 0.5817**, and the grayscale version is **6.5927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.8726, 0.2792, 0.1603**, and **5.8287, 0.1919, 0.0831** is the 20% darker color. If you saturate the color by 10%, you get **13.4513, 0.2210, 0.0991**, and if you desaturate by 10%, it is **15.1505, 0.2307, 0.1083**.

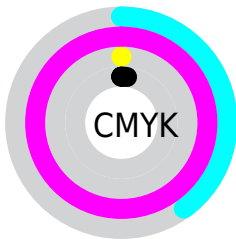
Distribution



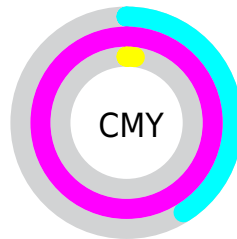
- Red (59%)
- Green (0%)
- Blue (98%)



- Red (59%)
- Yellow (0%)
- Blue (98%)



- Cyan (40%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)




- Cyan (41%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.4491, 0.2210, 0.0991 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 13.4491, 0.2210, 0.0991 by changing the saturation by 10% instead.


 13.4491, 0.2210,
0.0991


 13.4491, 0.2210,
0.0991


213.7762, 0.2762,
0.2010


 7.7385, 0.2060,
0.0798


 32.1083, 0.2424,
0.1318


 3.9281, 0.1867,
0.0587


 45.8257, 0.2501,
0.1454


 1.6334, 0.1618,
0.0370


 62.9808, 0.2564,
0.1575


 0.3800, 0.1302,
0.0137

 83.9581, 0.2617,
0.1682

 0.0000, 0.0904,
0.0000

 109.1418, 0.2662,
0.1778

 0.0000, 0.0351,
0.0000

 138.9165, 0.2700,

 0.0000, 0.0000,

0.1863

0.0000

173.6665, 0.2733,
0.1940

■ 13.4491, 0.2210,
0.0991

■ 13.4491, 0.2210,
0.0991

■ 13.4513, 0.2210,
0.0991

■ 15.1505, 0.2307,
0.1083

■ 17.8333, 0.2412,
0.1223

■ 21.7783, 0.2522,
0.1414

■ 27.1551, 0.2632,
0.1649

■ 34.1064, 0.2737,
0.1915

■ 42.7570, 0.2836,
0.2198

■ 53.2190, 0.2925,
0.2486

■ 65.5945, 0.3003,
0.2769

■ 79.9779, 0.3070,
0.3038

Harmonies

Analogous

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



13.4491, 0.1010, 0.0766



13.4491, 0.2210, 0.0991



13.4491, 0.4537, 0.1552

Triad

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



13.4491, 0.2210, 0.0991



13.4491, 0.5777, 0.4223



13.4491, 0.0435, 0.2874

Complementary

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



13.4491, 0.2210, 0.0991



71.7503, 0.3231, 0.5817

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.



13.4491, 0.1035, 0.6697



13.4491, 0.2210, 0.0991



13.4491, 0.3969, 0.6031

Square

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



13.4491, 0.2210, 0.0991



13.4491, 0.6952, 0.3048



13.4491, 0.2232, 0.7768



13.4491, 0.0350, 0.1272

Rectangle

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



13.4491, 0.2210, 0.0991



13.4491, 0.6226, 0.2058



13.4491, 0.2232, 0.7768



13.4491, 0.0556, 0.3949

Sweetspot

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



13.4513, 0.2210, 0.0991



55.1441, 0.2924, 0.2486



16.9816, 0.1689, 0.1279



10.7734, 0.2888, 0.2364



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.



13.4513, 0.2210, 0.0991



13.9371, 0.2209, 0.0991



26.2240, 0.3435, 0.1666



17.1560, 0.3073, 0.3052



7.1585, 0.2226, 0.1000



0.7247, 0.2340, 0.1063

Inverse Universe

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



21.4455, 0.5415, 0.2757



22.2306, 0.5417, 0.2758



69.0401, 0.2988, 0.5958



17.3409, 0.3231, 0.3195



11.3009, 0.5373, 0.2733



1.0670, 0.5058, 0.2560

Previews

White Background



This preview shows how the Yxy color 13.4491, 0.2210, 0.0991 looks on a white background.

Color Contrast Check

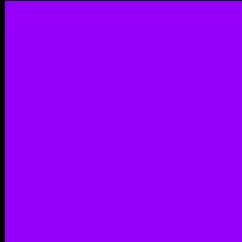
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4491, 0.2210, 0.0991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

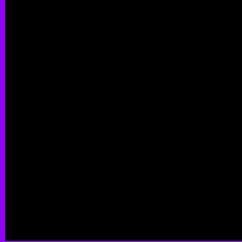
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4491, 0.2210, 0.0991

Background



This preview shows how black text looks on a background with the Yxy color 13.4491, 0.2210, 0.0991.



This preview shows how white text looks on a background with the Yxy color 13.4491, 0.2210, 0.0991.

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

13.4491, 0.2210, 0.0991

Protanopia

13.8175, 0.1744, 0.1477

Deuteranopia

13.8928, 0.1856, 0.1882



Tritanopia

13.6979, 0.3329, 0.3128

Trichromacy



Original Color

13.4491, 0.2210, 0.0991



Protanomaly

9.9700, 0.1712, 0.0996



Deuteranomaly

9.4515, 0.1765, 0.1119



Tritanomaly

10.6943, 0.2779, 0.1729

Monochromacy



Original Color

13.4491, 0.2210, 0.0991



Achromatopsia

6.6626, 0.3127, 0.3290



Achromatomaly

6.5557, 0.2589, 0.1553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4491, 0.2210, 0.0991 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(150, 0, 251)` looks like.

```
.text, #text, p{  
  color:rgb(150, 0, 251)  
}
```

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(150, 0, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 0, 251) }
```

Border

The CSS property to change the border of an element to Yxy 13.4491, 0.2210, 0.0991 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(150, 0, 251) }
```

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

```
.border{ border-color:rgb(150, 0, 251) }
```

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

Here you see how a box with a 4 pixel rgb(150, 0, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 0, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 0, 251);  
box-shadow:4px 4px 4px 4px rgb(150, 0,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4491, 0.2210, 0.0991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 0, 251) }
```

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

```
.background{ background-color: rgb(150, 0,  
251) }
```

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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