

Converting Colors

$Yxy(14.0547, 0.2249, 0.1013)$

Have a look what the booklet for
Yxy(14.0547, 0.2249, 0.1013)
contains.

Yxy(13.9968, 0.2249, 0.1012)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	29

Color

Yxy(13.9968, 0.2249, 0.1012)

Conversions

Conversions Part 1

Format	Color
Hex	9B00FC
RGB	155, 0, 252
RGB Percent	61%, 0%, 99%
CMY	0.3919, 1.0000, 0.0115
CMYK	0.38, 1.00, 0.00, 0.01
HSL	277°, 100%, 49%
HSV	277°, 100%, 99%
XYZ	31.1055, 13.9968, 93.2060
YIQ	75.0730, 11.4880, 111.2320

Conversions

Conversions Part 2

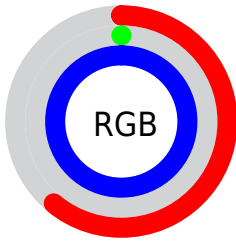
Format	Color
R_{YB}	155, 0, 252
Decimal	10158332
CIE _{Lab}	44.23, 84.96, -86.06
CIE _{LCh}	44, 120.930, 314.632
Yxy	13.9968, 0.2249, 0.1012
Android (android.graphics.Color)	4288348412 (0xFF9B00FC)
YUV	75.0730, 87.2250, 70.0960
Hunter-Lab	37.4123, 82.9379, -121.5217

Details

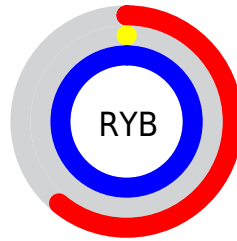
The Yxy color **13.9968, 0.2249, 0.1012** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **72.1981, 0.3212, 0.5832**, and the grayscale version is **6.8943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.7881, 0.2839, 0.1632**, and **6.1704, 0.1971, 0.0859** is the 20% darker color. If you saturate the color by 10%, you get **14.0079, 0.2249, 0.1013**, and if you desaturate by 10%, it is **15.7110, 0.2344, 0.1102**.

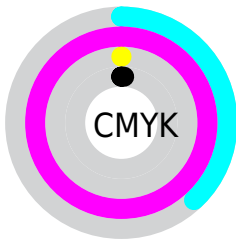
Distribution



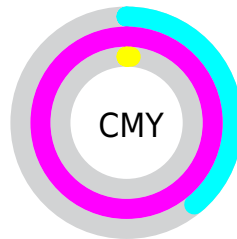
- Red (61%)
- Green (0%)
- Blue (99%)



- Red (61%)
- Yellow (0%)
- Blue (99%)



- Cyan (38%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)





- Cyan (39%)
- Magenta (100%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9968, 0.2249, 0.1012 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 13.9968, 0.2249, 0.1012 by changing the saturation by 10% instead.


 13.9968, 0.2249,
0.1012


 13.9968, 0.2249,
0.1012


217.2109, 0.2779,
0.2020


 8.1184, 0.2104,
0.0820

 33.0834, 0.2455,
0.1336


 4.1708, 0.1918,
0.0610


 47.0603, 0.2529,
0.1471

 1.7696, 0.1676,
0.0391


 64.5056, 0.2590,
0.1590

 0.4681, 0.1365,
0.0165

 85.8037, 0.2641,
0.1696

 0.0000, 0.0972,
0.0000

 111.3388, 0.2684,
0.1791

 0.0000, 0.0450,
0.0000

 141.4955, 0.2720,

 0.0000, 0.0000,

0.1875

0.0000

176.6580, 0.2752,
0.1951

■ 13.9968, 0.2249,
0.1012

■ 13.9968, 0.2249,
0.1012

■ 14.0079, 0.2249,
0.1013

■ 15.7110, 0.2344,
0.1102

■ 18.4014, 0.2445,
0.1239

■ 22.3596, 0.2550,
0.1427

■ 27.7569, 0.2655,
0.1659

■ 34.7373, 0.2756,
0.1921

■ 43.4267, 0.2850,
0.2202

■ 53.9380, 0.2935,
0.2488

■ 66.3742, 0.3009,
0.2770

■ 80.8306, 0.3073,
0.3039

Harmonies

Analogous

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



13.9968, 0.1037, 0.0781



13.9968, 0.2249, 0.1012



13.9968, 0.4568, 0.1579

Triad

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



13.9968, 0.2249, 0.1012



13.9968, 0.5741, 0.4259



13.9968, 0.0448, 0.2843

Complementary

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



13.9968, 0.2249, 0.1012



72.1981, 0.3212, 0.5832

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.



13.9968, 0.1046, 0.6585



13.9968, 0.2249, 0.1012



13.9968, 0.3950, 0.6050

Square

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



13.9968, 0.2249, 0.1012



13.9968, 0.6917, 0.3083



13.9968, 0.2244, 0.7756



13.9968, 0.0363, 0.1277

Rectangle

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



13.9968, 0.2249, 0.1012



13.9968, 0.6225, 0.2086



13.9968, 0.2244, 0.7756



13.9968, 0.0568, 0.3888

Sweetspot

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



14.0079, 0.2249, 0.1013



55.3587, 0.2935, 0.2488



16.3051, 0.1675, 0.1229



10.8245, 0.2900, 0.2367



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.



14.0079, 0.2249, 0.1013



14.3764, 0.2249, 0.1012



26.2443, 0.3484, 0.1693



17.1716, 0.3076, 0.3052



7.3805, 0.2264, 0.1021



0.7446, 0.2376, 0.1082

Inverse Universe

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



21.5692, 0.5487, 0.2796



22.1440, 0.5489, 0.2797



69.7287, 0.2985, 0.5945



17.3358, 0.3233, 0.3199



11.2563, 0.5444, 0.2772



1.0625, 0.5122, 0.2595

Previews

White Background



This preview shows how the Yxy color 13.9968, 0.2249, 0.1012 looks on a white background.

Color Contrast Check

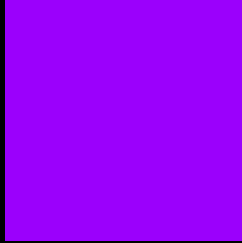
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.9968, 0.2249, 0.1012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

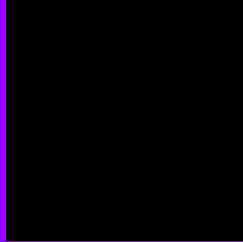
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9968, 0.2249, 0.1012

Background



This preview shows how black text looks on a background with the Yxy color 13.9968, 0.2249, 0.1012.



This preview shows how white text looks on a background with the Yxy color 13.9968, 0.2249, 0.1012.

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

13.9968, 0.2249, 0.1012

Protanopia

14.4090, 0.1744, 0.1476

Tritanopia

14.1359, 0.3420, 0.3133

Trichromacy



Original Color

13.9968, 0.2249, 0.1012

Protanomaly

10.2228, 0.1715, 0.1000

Tritanomaly

11.1827, 0.2864, 0.1766

Monochromacy



Original Color

13.9968, 0.2249, 0.1012

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

6.9210, 0.2626, 0.1591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9968, 0.2249, 0.1012 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(155, 0, 252)` looks like.

```
.text, #text, p{  
    color:rgb(155, 0, 252)  
}
```

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(155, 0, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 0, 252) }
```

Border

The CSS property to change the border of an element to Yxy 13.9968, 0.2249, 0.1012 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(155, 0, 252) }
```

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

```
.border{ border-color:rgb(155, 0, 252) }
```

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

Here you see how a box with a 4 pixel rgb(155, 0, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 0, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 0, 252);  
box-shadow:4px 4px 4px 4px rgb(155, 0,  
252) }
```

Background

The CSS property to change the background color of an element to Yxy 13.9968, 0.2249, 0.1012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 0, 252) }
```

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

```
.background{ background-color: rgb(155, 0,  
252) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

[@ConvertingColor](https://twitter.com/ConvertingColor)