

Converting Colors

$Y_{xy}(14.9258, 0.2370, 0.1135)$

Have a look what the booklet for
Yxy(14.9258, 0.2370, 0.1135)
contains.

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Color

Yxy(14.9678, 0.2375, 0.1139)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | A11FF2 |
| RGB | 161, 31, 242 |
| RGB Percent | 63%, 12%, 95% |
| CMY | 0.3687, 0.8782, 0.0511 |
| CMYK | 0.33, 0.87, 0.00, 0.05 |
| HSL | 277°, 89%, 54% |
| HSV | 277°, 87%, 95% |
| XYZ | 31.2103, 14.9678, 85.2337 |
| YIQ | 93.9240, 9.7490, 93.1810 |

Conversions

Conversions Part 2

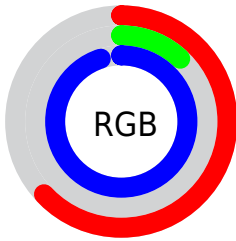
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 161, 31, 242 |
| Decimal | 10559474 |
| CIE Lab | 45.59, 79.48, -78.13 |
| CIE LCh | 46, 111.451, 315.488 |
| Yxy | 14.9678, 0.2375, 0.1139 |
| Android (android.graphics.Color) | 4288749554 (0xFFA11FF2) |
| YUV | 93.9240, 73.0015, 58.8257 |
| Hunter-Lab | 38.6882, 76.2938, -103.5394 |

Details

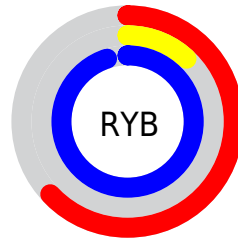
The Yxy color **14.9678, 0.2375, 0.1139** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **67.0404, 0.3280, 0.5685**, and the grayscale version is **11.0042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4850, 0.2888, 0.1730**, and **6.1700, 0.2111, 0.0937** is the 20% darker color. If you saturate the color by 10%, you get **13.2046, 0.2279, 0.1038**, and if you desaturate by 10%, it is **17.7433, 0.2477, 0.1291**.

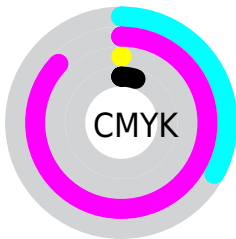
Distribution



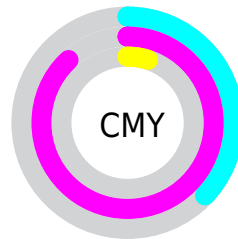
- Red (63%)
- Green (12%)
- Blue (95%)



- Red (63%)
- Yellow (12%)
- Blue (95%)



- Cyan (33%)
- Magenta (87%)
- Yellow (0%)
- Black (5%)




- Cyan (37%)
- Magenta (88%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.9678, 0.2375, 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 14.9678, 0.2375, 0.1139 by changing the saturation by 10% instead.


 14.9678, 0.2375,
0.1139


 14.9678, 0.2375,
0.1139


223.1712, 0.2837,
0.2115


 8.7968, 0.2244,
0.0944


 34.7967, 0.2557,
0.1460


 4.6089, 0.2072,
0.0725


 49.2233, 0.2622,
0.1591


 2.0197, 0.1843,
0.0488


 67.1707, 0.2675,
0.1706

 0.6189, 0.1537,
0.0243

 89.0231, 0.2719,
0.1808

 0.0000, 0.1137,
0.0000

 115.1649, 0.2756,
0.1898

 0.0000, 0.0556,
0.0000

 145.9807, 0.2787,

 0.0000, 0.0000,

0.1979

0.0000

181.8546, 0.2814,
0.2050

■ 14.9678, 0.2375,
0.1139

■ 14.9678, 0.2375,
0.1139

■ 13.2046, 0.2279,
0.1038

■ 17.7433, 0.2477,
0.1291

■ 12.8052, 0.2253,
0.1015

■ 21.7188, 0.2583,
0.1493

■ 27.0410, 0.2686,
0.1734

■ 33.8349, 0.2785,
0.2003

■ 42.2105, 0.2876,
0.2286

■ 52.2673, 0.2958,
0.2571

■ 64.0965, 0.3029,
0.2848

■ 77.7823, 0.3090,
0.3112

■ 93.4036, 0.3141,
0.3358

Harmonies

Analogous

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



14.9678, 0.1171, 0.0895



14.9678, 0.2375, 0.1139



14.9678, 0.4529, 0.1713

Triad

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



14.9678, 0.2375, 0.1139



14.9678, 0.5620, 0.4380



14.9678, 0.0576, 0.2869

Complementary

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



14.9678, 0.2375, 0.1139



67.0404, 0.3280, 0.5685

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.



14.9678, 0.1216, 0.6117



14.9678, 0.2375, 0.1139



14.9678, 0.3995, 0.6005

Square

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



14.9678, 0.2375, 0.1139



14.9678, 0.6733, 0.3267



14.9678, 0.2460, 0.7524



14.9678, 0.0467, 0.1398

Rectangle

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



14.9678, 0.2375, 0.1139



14.9678, 0.6018, 0.2221



14.9678, 0.2460, 0.7524



14.9678, 0.0711, 0.3790

Sweetspot

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



14.9683, 0.2375, 0.1139



60.2335, 0.2966, 0.2602



19.0604, 0.1775, 0.1486



11.9867, 0.2939, 0.2503



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.



14.9683, 0.2375, 0.1139



14.3965, 0.2250, 0.1013



25.0713, 0.3440, 0.1720



15.7108, 0.3076, 0.3053



6.9613, 0.2268, 0.1023



0.6361, 0.2390, 0.1090

Inverse Universe

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



21.0277, 0.5109, 0.2684



22.1403, 0.5492, 0.2799



64.0347, 0.2971, 0.5776



15.8593, 0.3233, 0.3200



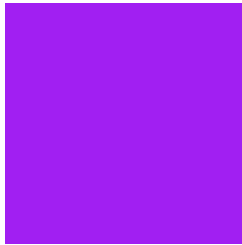
10.5896, 0.5442, 0.2772



0.8998, 0.5087, 0.2576

Previews

White Background



This preview shows how the Yxy color 14.9678, 0.2375, 0.1139 looks on a white background.

Color Contrast Check

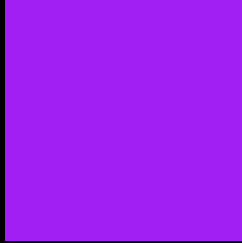
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.9678, 0.2375, 0.1139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

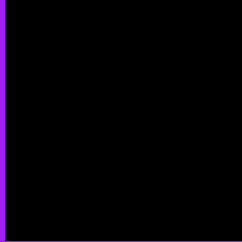
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.9678, 0.2375, 0.1139

Background



This preview shows how black text looks on a background with the Yxy color 14.9678, 0.2375, 0.1139.



This preview shows how white text looks on a background with the Yxy color 14.9678, 0.2375, 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

14.9678, 0.2375, 0.1139

Protanopia

15.2705, 0.1745, 0.1483

Deuteranopia

15.1305, 0.1848, 0.1853



Tritanopia

14.9895, 0.3600, 0.3161

Trichromacy



Original Color

14.9678, 0.2375, 0.1139



Protanomaly

11.9800, 0.1761, 0.1138



Deuteranomaly

11.6175, 0.1820, 0.1285



Tritanomaly

13.2839, 0.3044, 0.2017

Monochromacy



Original Color

14.9678, 0.2375, 0.1139



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

10.4961, 0.2749, 0.1915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9678, 0.2375, 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(161, 31, 242)` looks like.

```
.text, #text, p{  
    color:rgb(161, 31, 242)  
}
```

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(161, 31, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 31, 242) }
```

Border

The CSS property to change the border of an element to Yxy 14.9678, 0.2375, 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(161, 31, 242) }
```

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

```
.border{ border-color:rgb(161, 31, 242) }
```

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

Here you see how a box with a 4 pixel rgb(161, 31, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 31, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 31, 242);  
box-shadow:4px 4px 4px 4px rgb(161, 31,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9678, 0.2375, 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(161, 31, 242) }
```

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

```
.background{ background-color: rgb(161, 31,  
242) }
```

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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