

Converting Colors

$Y_{xy}(13.7666, 0.2299, 0.1170)$

Have a look what the booklet for
Yxy(13.7666, 0.2299, 0.1170)
contains.

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Color

Yxy(13.8223, 0.2302, 0.1174)

Conversions

Conversions Part 1

Format	Color
Hex	912FE7
RGB	145, 47, 231
RGB Percent	57%, 18%, 91%
CMY	0.4317, 0.8152, 0.0943
CMYK	0.37, 0.80, 0.00, 0.09
HSL	272°, 79%, 55%
HSV	272°, 80%, 91%
XYZ	27.1030, 13.8223, 76.8115
YIQ	97.2780, -0.6560, 78.0000

Conversions

Conversions Part 2

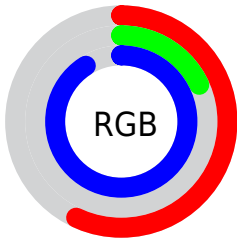
Format	Color
R_{YB}	145, 47, 231
Decimal	9514983
CIE _{Lab}	43.98, 70.58, -74.63
CIE _{LCh}	44, 102.720, 313.402
Yxy	13.8223, 0.2302, 0.1174
Android (android.graphics.Color)	4287705063 (0xFF912FE7)
YUV	97.2780, 65.9249, 41.8522
Hunter-Lab	37.1784, 65.0643, -96.4699

Details

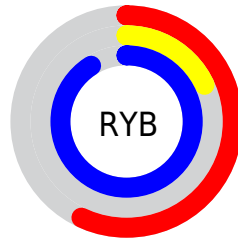
The Yxy color **13.8223, 0.2302, 0.1174** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **62.3346, 0.3407, 0.5478**, and the grayscale version is **11.8718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3023, 0.2735, 0.1717**, and **4.9408, 0.1994, 0.0872** is the 20% darker color. If you saturate the color by 10%, you get **11.4995, 0.2185, 0.1021**, and if you desaturate by 10%, it is **17.2157, 0.2426, 0.1380**.

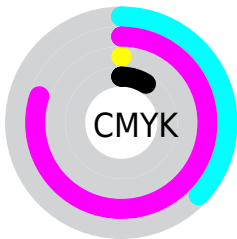
Distribution



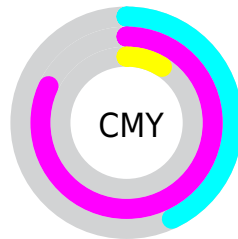
- Red (57%)
- Green (18%)
- Blue (91%)



- Red (57%)
- Yellow (18%)
- Blue (91%)



- Cyan (37%)
- Magenta (80%)
- Yellow (0%)
- Black (9%)




- Cyan (43%)
- Magenta (82%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8223, 0.2302, 0.1174 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 13.8223, 0.2302, 0.1174 by changing the saturation by 10% instead.


 13.8223, 0.2302,
0.1174


 13.8223, 0.2302,
0.1174


216.1225, 0.2803,
0.2161


 7.9972, 0.2159,
0.0971


 32.7734, 0.2500,
0.1504


 4.0931, 0.1972,
0.0741


 46.6682, 0.2570,
0.1637

 1.7258, 0.1722,
0.0490


 64.0216, 0.2627,
0.1754

 0.4403, 0.1391,
0.0209

 85.2181, 0.2675,
0.1856

 0.0000, 0.0956,
0.0000

 110.6420, 0.2715,
0.1946

 0.0000, 0.0065,
0.0000

 140.6778, 0.2749,

 0.0000, 0.0000,

0.2026

0.0000

175.7098, 0.2778,
0.2097

■ 13.8223, 0.2302,
0.1174

■ 13.8223, 0.2302,
0.1174

■ 11.4995, 0.2185,
0.1021

■ 17.2157, 0.2426,
0.1380

■ 10.0213, 0.2078,
0.0920

■ 21.8159, 0.2552,
0.1628

■ 9.9694, 0.2074,
0.0916

■ 27.7397, 0.2674,
0.1906

■ 35.0891, 0.2789,
0.2199

■ 43.9559, 0.2892,
0.2493

■ 54.4240, 0.2983,
0.2779

■ 66.5709, 0.3062,
0.3049

■ 80.4692, 0.3130,
0.3300

■ 96.1869, 0.3186,
0.3528

Harmonies

Analogous

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



13.8223, 0.1177, 0.0951



13.8223, 0.2302, 0.1174



13.8223, 0.4310, 0.1722

Triad

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



13.8223, 0.2302, 0.1174



13.8223, 0.5675, 0.4325



13.8223, 0.0676, 0.3080

Complementary

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



13.8223, 0.2302, 0.1174



62.3346, 0.3407, 0.5478

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.



13.8223, 0.1388, 0.6151



13.8223, 0.2302, 0.1174



13.8223, 0.4157, 0.5843

Square

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



13.8223, 0.2302, 0.1174



13.8223, 0.6646, 0.3267



13.8223, 0.2663, 0.7293



13.8223, 0.0524, 0.1532

Rectangle

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



13.8223, 0.2302, 0.1174



13.8223, 0.5758, 0.2224



13.8223, 0.2663, 0.7293



13.8223, 0.0835, 0.3997

Sweetspot

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



13.8227, 0.2302, 0.1174



61.9418, 0.2943, 0.2651



23.9753, 0.1917, 0.1884



12.2742, 0.2910, 0.2548



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.



13.8227, 0.2302, 0.1174



13.0555, 0.2110, 0.0948



24.6203, 0.3237, 0.1662



14.2627, 0.3063, 0.3053



5.6657, 0.2089, 0.0925



0.4739, 0.2243, 0.1009

Inverse Universe

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



20.7222, 0.4594, 0.2492



22.9559, 0.5039, 0.2569



57.9688, 0.3005, 0.5744



14.4797, 0.3219, 0.3181



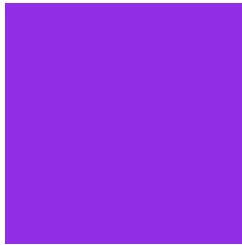
10.1570, 0.5089, 0.2577



0.7692, 0.4744, 0.2387

Previews

White Background



This preview shows how the Yxy color 13.8223, 0.2302, 0.1174 looks on a white background.

Color Contrast Check

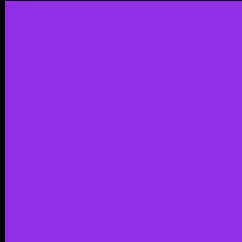
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.8223, 0.2302, 0.1174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

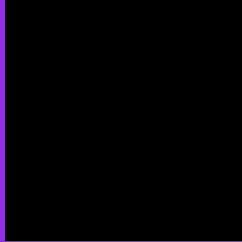
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8223, 0.2302, 0.1174

Background



This preview shows how black text looks on a background with the Yxy color 13.8223, 0.2302, 0.1174.

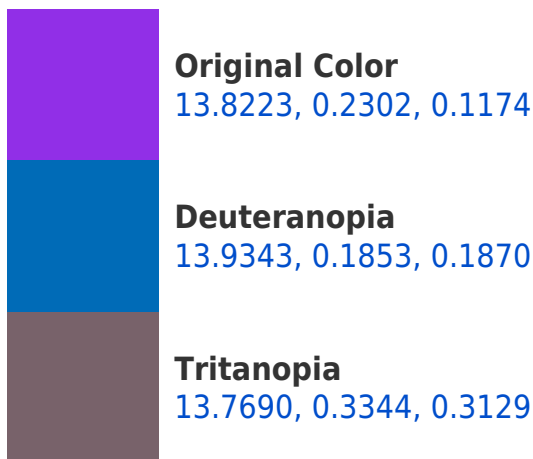


This preview shows how white text looks on a background with the Yxy color 13.8223, 0.2302, 0.1174.

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



Trichromacy



Original Color

13.8223, 0.2302, 0.1174

Deuteranomaly

11.4240, 0.1833, 0.1383

Tritanomaly

12.4935, 0.2872, 0.2058

Monochromacy



Original Color

13.8223, 0.2302, 0.1174

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.2447, 0.2726, 0.2054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8223, 0.2302, 0.1174 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(145, 47, 231)` looks like.

```
.text, #text, p{  
  color:rgb(145, 47, 231)  
}
```

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(145, 47, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 47, 231) }
```

Border

The CSS property to change the border of an element to Yxy 13.8223, 0.2302, 0.1174 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(145, 47, 231) }
```

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

```
.border{ border-color:rgb(145, 47, 231) }
```

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

Here you see how a box with a 4 pixel rgb(145, 47, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 47, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 47, 231);  
box-shadow:4px 4px 4px 4px rgb(145, 47,  
231) }
```

Background

The CSS property to change the background color of an element to Yxy 13.8223, 0.2302, 0.1174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 47, 231) }
```

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

```
.background{ background-color: rgb(145, 47,  
231) }
```

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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