

Converting Colors

$Y_{xy}(14.8614, 0.2434, 0.1189)$

Have a look what the booklet for
Yxy(14.8614, 0.2434, 0.1189)
contains.

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Color

Yxy(14.8816, 0.2435, 0.1188)

Conversions

Conversions Part 1

Format	Color
Hex	A223EB
RGB	162, 35, 235
RGB Percent	64%, 14%, 92%
CMY	0.3646, 0.8630, 0.0783
CMYK	0.31, 0.85, 0.00, 0.08
HSL	278°, 83%, 53%
HSV	278°, 85%, 92%
XYZ	30.5023, 14.8816, 79.8821
YIQ	95.7730, 11.4920, 89.1240

Conversions

Conversions Part 2

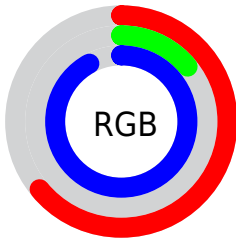
Format	Color
R_{YB}	162, 35, 235
Decimal	10626027
CIE _{Lab}	45.47, 77.36, -74.40
CIE _{LCh}	45, 107.327, 316.118
Yxy	14.8816, 0.2435, 0.1188
Android (android.graphics.Color)	4288816107 (0xFFA223EB)
YUV	95.7730, 68.6389, 58.0811
Hunter-Lab	38.5767, 73.6293, -95.7703

Details

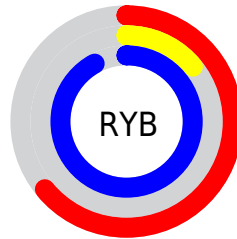
The Yxy color **14.8816, 0.2435, 0.1188** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **62.7384, 0.3269, 0.5666**, and the grayscale version is **11.4631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8639, 0.2888, 0.1745**, and **6.0391, 0.2175, 0.0972** is the 20% darker color. If you saturate the color by 10%, you get **13.0650, 0.2341, 0.1079**, and if you desaturate by 10%, it is **17.6839, 0.2534, 0.1348**.

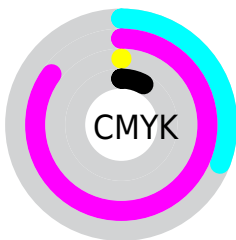
Distribution



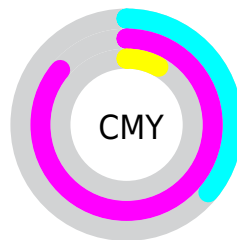
- Red (64%)
- Green (14%)
- Blue (92%)



- Red (64%)
- Yellow (14%)
- Blue (92%)



- Cyan (31%)
- Magenta (85%)
- Yellow (0%)
- Black (8%)




- Cyan (36%)
- Magenta (86%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.8816, 0.2435, 0.1188 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 14.8816, 0.2435, 0.1188 by changing the saturation by 10% instead.


 14.8816, 0.2435,
0.1188


 14.8816, 0.2435,
0.1188


222.6485, 0.2867,
0.2155


 8.7363, 0.2309,
0.0990

 34.6453, 0.2607,
0.1510


 4.5696, 0.2143,
0.0767


 49.0326, 0.2668,
0.1640


 1.9970, 0.1917,
0.0521


 66.9360, 0.2717,
0.1754

 0.6057, 0.1610,
0.0262

 88.7399, 0.2758,
0.1854

 0.0000, 0.1200,
0.0000

 114.8287, 0.2792,
0.1943

 0.0000, 0.0549,
0.0000

 145.5868, 0.2821,

 0.0000, 0.0000,

0.2022

0.0000

181.3986, 0.2845,
0.2092

■ 14.8816, 0.2435,
0.1188

■ 14.8816, 0.2435,
0.1188

■ 13.0650, 0.2341,
0.1079

■ 17.6839, 0.2534,
0.1348

■ 12.4145, 0.2298,
0.1040

■ 21.6313, 0.2634,
0.1555

■ 26.8551, 0.2731,
0.1799

■ 33.4682, 0.2824,
0.2068

■ 41.5707, 0.2908,
0.2349

■ 51.2531, 0.2982,
0.2631

■ 62.5988, 0.3047,
0.2905

■ 75.6850, 0.3102,
0.3164

■ 90.5842, 0.3149,
0.3405

Harmonies

Analogous

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



14.8816, 0.1226, 0.0937



14.8816, 0.2435, 0.1188



14.8816, 0.4540, 0.1766

Triad

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



14.8816, 0.2435, 0.1188



14.8816, 0.5566, 0.4434



14.8816, 0.0618, 0.2852

Complementary

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



14.8816, 0.2435, 0.1188



62.7384, 0.3269, 0.5666

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.



14.8816, 0.1260, 0.5936



14.8816, 0.2435, 0.1188



14.8816, 0.3992, 0.6008

Square

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



14.8816, 0.2435, 0.1188



14.8816, 0.6652, 0.3331



14.8816, 0.2488, 0.7374



14.8816, 0.0506, 0.1431

Rectangle

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



14.8816, 0.2435, 0.1188



14.8816, 0.5967, 0.2275



14.8816, 0.2488, 0.7374



14.8816, 0.0755, 0.3727

Sweetspot

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



14.8821, 0.2435, 0.1188



60.4432, 0.2975, 0.2604



17.1466, 0.1771, 0.1440



12.0366, 0.2950, 0.2506



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.



14.8821, 0.2435, 0.1188



14.8965, 0.2294, 0.1037



23.4370, 0.3515, 0.1779



15.0231, 0.3080, 0.3054



6.9822, 0.2312, 0.1047



0.6024, 0.2436, 0.1116

Inverse Universe

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



19.9474, 0.5108, 0.2712



22.0511, 0.5568, 0.2841



60.1322, 0.2954, 0.5680



15.1449, 0.3236, 0.3204



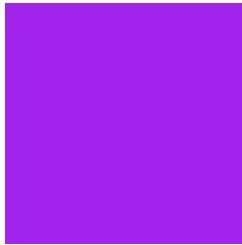
10.2239, 0.5516, 0.2812



0.8208, 0.5135, 0.2602

Previews

White Background



This preview shows how the Yxy color 14.8816, 0.2435, 0.1188 looks on a white background.

Color Contrast Check

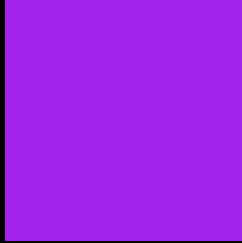
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.8816, 0.2435, 0.1188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

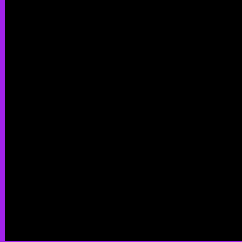
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 14.8816, 0.2435, 0.1188

Background



This preview shows how black text looks on a background with the Yxy color 14.8816, 0.2435, 0.1188.



This preview shows how white text looks on a background with the Yxy color 14.8816, 0.2435, 0.1188.

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

14.8816, 0.2435, 0.1188

Protanopia

15.0679, 0.1741, 0.1468

Deuteranopia

15.1305, 0.1848, 0.1853



Tritanopia

14.8340, 0.3684, 0.3163

Trichromacy



Original Color

14.8816, 0.2435, 0.1188



Protanomaly

11.9580, 0.1771, 0.1164



Deuteranomaly

11.6213, 0.1832, 0.1318



Tritanomaly

13.3350, 0.3126, 0.2077

Monochromacy



Original Color

14.8816, 0.2435, 0.1188



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

10.9972, 0.2792, 0.1986

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8816, 0.2435, 0.1188 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(162, 35, 235)` looks like.

```
.text, #text, p{  
    color:rgb(162, 35, 235)  
}
```

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(162, 35, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 35, 235) }
```

Border

The CSS property to change the border of an element to Yxy 14.8816, 0.2435, 0.1188 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(162, 35, 235) }
```

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

```
.border{ border-color:rgb(162, 35, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 35, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 35, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 35, 235);  
box-shadow:4px 4px 4px 4px rgb(162, 35,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 14.8816, 0.2435, 0.1188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 35, 235) }
```

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

```
.background{ background-color: rgb(162, 35,  
235) }
```

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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