

Converting Colors

$Y_{xy}(14.8134, 0.2670, 0.1276)$

Have a look what the booklet for
Yxy(14.8134, 0.2670, 0.1276)
contains.

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Color

Yxy(14.8536, 0.2674, 0.1277)

Conversions

Conversions Part 1

Format	Color
Hex	AF13DE
RGB	175, 19, 222
RGB Percent	69%, 7%, 87%
CMY	0.3137, 0.9259, 0.1293
CMYK	0.21, 0.91, 0.00, 0.13
HSL	286°, 84%, 47%
HSV	286°, 91%, 87%
XYZ	31.1030, 14.8536, 70.3598
YIQ	88.7860, 27.8130, 96.2050

Conversions

Conversions Part 2

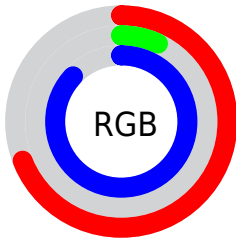
Format	Color
R_{YB}	175, 19, 222
Decimal	11473886
CIE _{Lab}	45.43, 79.76, -66.99
CIE _{LCh}	45, 104.158, 319.972
Yxy	14.8536, 0.2674, 0.1277
Android (android.graphics.Color)	4289663966 (0xFFAF13DE)
YUV	88.7860, 65.6745, 75.6097
Hunter-Lab	38.5404, 76.6081, -81.2623

Details

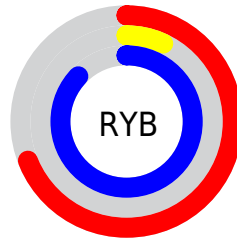
The Yxy color **14.8536, 0.2674, 0.1277** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **53.4637, 0.3118, 0.5851**, and the grayscale version is **9.7775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7109, 0.3008, 0.1750**, and **6.4662, 0.2465, 0.1132** is the 20% darker color. If you saturate the color by 10%, you get **13.8935, 0.2622, 0.1218**, and if you desaturate by 10%, it is **16.5911, 0.2736, 0.1382**.

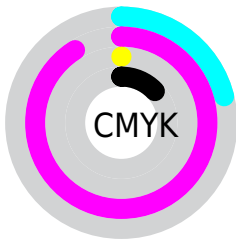
Distribution



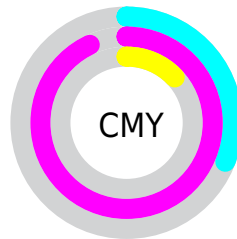
- Red (69%)
- Green (7%)
- Blue (87%)



- Red (69%)
- Yellow (7%)
- Blue (87%)



- Cyan (21%)
- Magenta (91%)
- Yellow (0%)
- Black (13%)




- Cyan (31%)
- Magenta (93%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.8536, 0.2674, 0.1277 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 14.8536, 0.2674, 0.1277 by changing the saturation by 10% instead.


 14.8536, 0.2674,
0.1277


 14.8536, 0.2674,
0.1277


 222.4784, 0.2983,
0.2220


 8.7167, 0.2575,
0.1078


 34.5961, 0.2804,
0.1596


 4.5569, 0.2438,
0.0847


 48.9706, 0.2847,
0.1723


 1.9897, 0.2244,
0.0589


 66.8597, 0.2882,
0.1834

 0.6015, 0.1962,
0.0304

 88.6478, 0.2910,
0.1931

 0.0000, 0.1555,
0.0000

 114.7193, 0.2933,
0.2017

 0.0000, 0.0833,
0.0000

 145.4586, 0.2953,

 0.0000, 0.0000,

0.2092

0.0000

181.2502, 0.2969,
0.2160

■ 14.8536, 0.2674,
0.1277

■ 14.8536, 0.2674,
0.1277

■ 13.8935, 0.2622,
0.1218

■ 16.5911, 0.2736,
0.1382

■ 19.2164, 0.2799,
0.1534

■ 22.8572, 0.2860,
0.1729

■ 27.6201, 0.2918,
0.1958

■ 33.5979, 0.2972,
0.2210

■ 40.8735, 0.3019,
0.2475

■ 49.5226, 0.3060,
0.2743

■ 59.6149, 0.3095,
0.3004

■ 71.2155, 0.3123,
0.3254

Harmonies

Analogous

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



14.8536, 0.1368, 0.0986



14.8536, 0.2674, 0.1277



14.8536, 0.4800, 0.1891

Triad

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



14.8536, 0.2674, 0.1277



14.8536, 0.5369, 0.4631



14.8536, 0.0621, 0.2608

Complementary

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



14.8536, 0.2674, 0.1277



53.4637, 0.3118, 0.5851

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.



14.8536, 0.1189, 0.5440



14.8536, 0.2674, 0.1277



14.8536, 0.3814, 0.6186

Square

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



14.8536, 0.2674, 0.1277



14.8536, 0.6515, 0.3485



14.8536, 0.2354, 0.7258



14.8536, 0.0546, 0.1377

Rectangle

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



14.8536, 0.2674, 0.1277



14.8536, 0.6101, 0.2404



14.8536, 0.2354, 0.7258



14.8536, 0.0737, 0.3374

Sweetspot

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



14.8542, 0.2674, 0.1277



60.7628, 0.3037, 0.2590



9.3449, 0.1625, 0.0985



12.1688, 0.3023, 0.2498



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.



14.8542, 0.2674, 0.1277



18.9524, 0.2618, 0.1216



18.8199, 0.3944, 0.1983



13.7674, 0.3101, 0.3056



8.3020, 0.2631, 0.1223



0.6148, 0.2725, 0.1275

Inverse Universe

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



16.3901, 0.5763, 0.3013



21.5760, 0.6030, 0.3096



52.8810, 0.2889, 0.5534



13.7523, 0.3256, 0.3236



9.3825, 0.5978, 0.3067



0.6640, 0.5543, 0.2827

Previews

White Background



This preview shows how the Yxy color 14.8536, 0.2674, 0.1277 looks on a white background.

Color Contrast Check

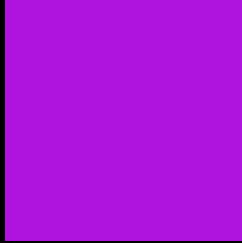
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.8536, 0.2674, 0.1277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

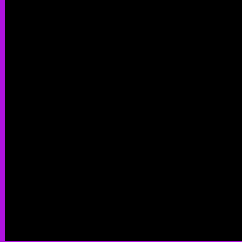
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.8536, 0.2674, 0.1277

Background



This preview shows how black text looks on a background with the Yxy color 14.8536, 0.2674, 0.1277.



This preview shows how white text looks on a background with the Yxy color 14.8536, 0.2674, 0.1277.

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

14.8536, 0.2674, 0.1277

Protanopia

15.3236, 0.1743, 0.1476

Deuteranopia

15.2191, 0.1842, 0.1831



Tritanopia

14.8736, 0.4115, 0.3177

Trichromacy



Original Color

14.8536, 0.2674, 0.1277



Protanomaly

11.2080, 0.1789, 0.1138



Deuteranomaly

10.8984, 0.1851, 0.1282



Tritanomaly

13.2646, 0.3523, 0.2154

Monochromacy



Original Color

14.8536, 0.2674, 0.1277



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

9.4660, 0.2917, 0.1959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8536, 0.2674, 0.1277 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(175, 19, 222)` looks like.

```
.text, #text, p{  
    color:rgb(175, 19, 222)  
}
```

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(175, 19, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 19, 222) }
```

Border

The CSS property to change the border of an element to Yxy 14.8536, 0.2674, 0.1277 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(175, 19, 222) }
```

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

```
.border{ border-color:rgb(175, 19, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 19, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 19, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 19, 222);  
box-shadow:4px 4px 4px 4px rgb(175, 19,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 14.8536, 0.2674, 0.1277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 19, 222) }
```

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

```
.background{ background-color: rgb(175, 19,  
222) }
```

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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