

Converting Colors

$Y_{xy}(14.2296, 0.2659, 0.1238)$

Have a look what the booklet for
Yxy(14.2296, 0.2659, 0.1238)
contains.

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Color

Yxy(14.2726, 0.2661, 0.1239)

Conversions

Conversions Part 1

Format	Color
Hex	AE00DE
RGB	174, 0, 222
RGB Percent	68%, 0%, 87%
CMY	0.3174, 1.0000, 0.1293
CMYK	0.22, 1.00, 0.00, 0.13
HSL	287°, 100%, 44%
HSV	287°, 100%, 87%
XYZ	30.6533, 14.2726, 70.2687
YIQ	77.3340, 32.4420, 105.9300

Conversions

Conversions Part 2

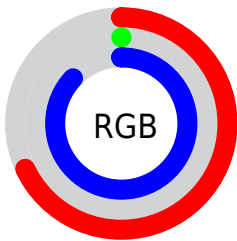
Format	Color
RYB	174, 0, 222
Decimal	11403486
CIELab	44.62, 81.59, -68.31
CIElCh	45, 106.411, 320.060
Yxy	14.2726, 0.2661, 0.1239
Android (android.graphics.Color)	4289593566 (0xFFAE00DE)
YUV	77.3340, 71.3203, 84.7761
Hunter-Lab	37.7791, 78.7182, -83.8333

Details

The Yxy color **14.2726, 0.2661, 0.1239** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **52.8872, 0.3073, 0.5942**, and the grayscale version is **7.3514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6919, 0.2999, 0.1713**, and **6.3980, 0.2451, 0.1124** is the 20% darker color. If you saturate the color by 10%, you get **14.2812, 0.2661, 0.1240**, and if you desaturate by 10%, it is **15.4239, 0.2718, 0.1308**.

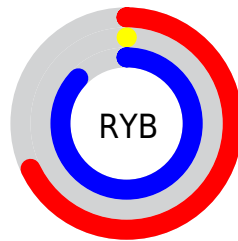
Distribution



Red (68%)

Green (0%)

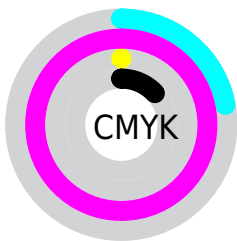
Blue (87%)



Red (68%)

Yellow (0%)

Blue (87%)

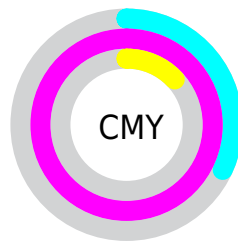


Cyan (22%)

Magenta (100%)

Yellow (0%)

Black (13%)



Cyan (32%)


Magenta (100%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.2726, 0.2661, 0.1239 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 14.2726, 0.2661, 0.1239 by changing the saturation by 10% instead.


 14.2726, 0.2661,
0.1239


 14.2726, 0.2661,
0.1239


218.9202, 0.2980,
0.2198


 8.3105, 0.2559,
0.1038


 33.5719, 0.2795,
0.1562


 4.2943, 0.2417,
0.0807


 47.6780, 0.2840,
0.1692

 1.8395, 0.2216,
0.0550


 65.2674, 0.2876,
0.1804

 0.5116, 0.1929,
0.0262

 86.7247, 0.2905,
0.1903

 0.0000, 0.1508,
0.0000

 112.4343, 0.2929,
0.1990

 0.0000, 0.0759,
0.0000

 142.7804, 0.2949,

 0.0000, 0.0000,

0.2067

0.0000

178.1476, 0.2966,
0.2136

■ 14.2726, 0.2661,
0.1239

■ 14.2726, 0.2661,
0.1239

■ 14.2812, 0.2661,
0.1240

■ 15.4239, 0.2718,
0.1308

■ 17.2551, 0.2776,
0.1418

■ 19.9925, 0.2834,
0.1573

■ 23.7594, 0.2891,
0.1770

■ 28.6600, 0.2944,
0.2000

■ 34.7852, 0.2992,
0.2253

■ 42.2170, 0.3035,
0.2517

■ 51.0297, 0.3071,
0.2783

■ 61.2926, 0.3102,
0.3043

Harmonies

Analogous

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



14.2726, 0.1332, 0.0947



14.2726, 0.2661, 0.1239



14.2726, 0.4856, 0.1857

Triad

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



14.2726, 0.2661, 0.1239



14.2726, 0.5382, 0.4618



14.2726, 0.0574, 0.2565

Complementary

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



14.2726, 0.2661, 0.1239



52.8872, 0.3073, 0.5942

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.



14.2726, 0.1125, 0.5513



14.2726, 0.2661, 0.1239



14.2726, 0.3770, 0.6230

Square

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



14.2726, 0.2661, 0.1239



14.2726, 0.6561, 0.3439



14.2726, 0.2288, 0.7400



14.2726, 0.0509, 0.1328

Rectangle

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



14.2726, 0.2661, 0.1239



14.2726, 0.6195, 0.2370



14.2726, 0.2288, 0.7400



14.2726, 0.0685, 0.3352

Sweetspot

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



14.2812, 0.2661, 0.1240



57.5190, 0.3034, 0.2511



7.3983, 0.1558, 0.0809



11.3422, 0.3016, 0.2398



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.



14.2812, 0.2661, 0.1240



19.4863, 0.2657, 0.1237



18.0421, 0.4096, 0.2030



13.7784, 0.3104, 0.3057



8.5303, 0.2669, 0.1244



0.6289, 0.2757, 0.1292

Inverse Universe

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



15.7478, 0.6057, 0.3110



21.5367, 0.6073, 0.3119



52.6173, 0.2904, 0.5654



13.7488, 0.3258, 0.3240



9.3643, 0.6023, 0.3092



0.6623, 0.5593, 0.2855

Previews

White Background



This preview shows how the Yxy color 14.2726, 0.2661, 0.1239 looks on a white background.

Color Contrast Check

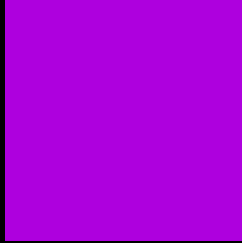
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.2726, 0.2661, 0.1239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

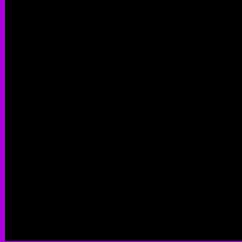
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 14.2726, 0.2661, 0.1239

Background



This preview shows how black text looks on a background with the Yxy color 14.2726, 0.2661, 0.1239.



This preview shows how white text looks on a background with the Yxy color 14.2726, 0.2661, 0.1239.

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

14.2726, 0.2661, 0.1239

Protanopia

14.9626, 0.1746, 0.1484

Deuteranopia

14.9134, 0.1843, 0.1835



Tritanopia

14.5753, 0.4141, 0.3193

Trichromacy



Original Color

14.2726, 0.2661, 0.1239



Protanomaly

10.0677, 0.1768, 0.1061



Deuteranomaly

9.7013, 0.1827, 0.1189



Tritanomaly

12.3072, 0.3536, 0.2072

Monochromacy



Original Color

14.2726, 0.2661, 0.1239



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.2531, 0.2883, 0.1771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2726, 0.2661, 0.1239 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(174, 0, 222)` looks like.

```
.text, #text, p{  
    color:rgb(174, 0, 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(174, 0, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 0, 222) }
```

Border

The CSS property to change the border of an element to Yxy 14.2726, 0.2661, 0.1239 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(174, 0, 222) }
```

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

```
.border{ border-color:rgb(174, 0, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 0, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 0, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 0, 222);  
box-shadow:4px 4px 4px 4px rgb(174, 0,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 14.2726, 0.2661, 0.1239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 0, 222) }
```

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

```
.background{ background-color: rgb(174, 0,  
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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