

Converting Colors

$Y_{xy}(14.4410, 0.2593, 0.1202)$

Have a look what the booklet for
Yxy(14.4410, 0.2593, 0.1202)
contains.

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Color

Yxy(14.4857, 0.2597, 0.1204)

Conversions

Conversions Part 1

Format	Color
Hex	AD00E4
RGB	173, 0, 228
RGB Percent	68%, 0%, 89%
CMY	0.3215, 1.0000, 0.1057
CMYK	0.24, 1.00, 0.00, 0.11
HSL	286°, 100%, 45%
HSV	286°, 100%, 89%
XYZ	31.2453, 14.4857, 74.5821
YIQ	77.7190, 29.9200, 107.5840

Conversions

Conversions Part 2

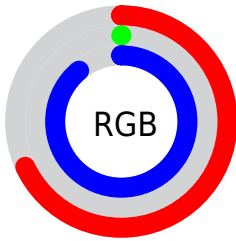
Format	Color
RYB	173, 0, 228
Decimal	11337956
CIELab	44.92, 82.49, -71.26
CIElCh	45, 109.007, 319.175
Yxy	14.4857, 0.2597, 0.1204
Android (android.graphics.Color)	4289528036 (0xFFAD00E4)
YUV	77.7190, 74.0885, 83.5614
Hunter-Lab	38.0601, 79.9339, -89.5419

Details

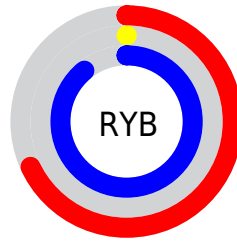
The Yxy color **14.4857, 0.2597, 0.1204** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed purple. A complement of this color would be **56.3258, 0.3088, 0.5930**, and the grayscale version is **7.4197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8572, 0.2999, 0.1720**, and **6.4510, 0.2374, 0.1082** is the 20% darker color. If you saturate the color by 10%, you get **14.4906, 0.2597, 0.1204**, and if you desaturate by 10%, it is **15.7361, 0.2660, 0.1277**.

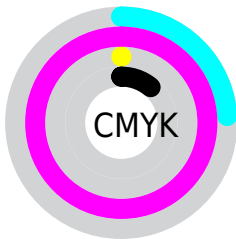
Distribution



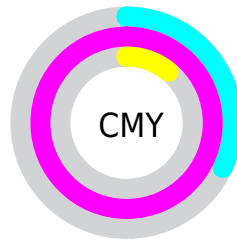
- Red (68%)
- Green (0%)
- Blue (89%)



- Red (68%)
- Yellow (0%)
- Blue (89%)



- Cyan (24%)
- Magenta (100%)
- Yellow (0%)
- Black (11%)




- Cyan (32%)
- Magenta (100%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 14.4857, 0.2597, 0.1204 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 14.4857, 0.2597, 0.1204 by changing the saturation by 10% instead.


 14.4857, 0.2597,
0.1204


 14.4857, 0.2597,
0.1204


 220.2318, 0.2949,
0.2169


 8.4592, 0.2488,
0.1005


 33.9484, 0.2743,
0.1526


 4.3902, 0.2339,
0.0778


 48.1534, 0.2792,
0.1656

 1.8941, 0.2131,
0.0528


 65.8534, 0.2832,
0.1770

 0.5448, 0.1839,
0.0256

 87.4328, 0.2865,
0.1870

 0.0000, 0.1425,
0.0000

 113.2759, 0.2892,
0.1958

 0.0000, 0.0751,
0.0000

 143.7672, 0.2914,

 0.0000, 0.0000,

0.2036

0.0000

179.2910, 0.2933,
0.2106

■ 14.4857, 0.2597,
0.1204

■ 14.4857, 0.2597,
0.1204

■ 14.4906, 0.2597,
0.1204

■ 15.7361, 0.2660,
0.1277

■ 17.7212, 0.2725,
0.1390

■ 20.6751, 0.2791,
0.1550

■ 24.7300, 0.2855,
0.1753

■ 29.9970, 0.2915,
0.1988

■ 36.5737, 0.2971,
0.2245

■ 44.5473, 0.3020,
0.2513

■ 53.9977, 0.3062,
0.2781

■ 64.9985, 0.3098,
0.3042

Harmonies

Analogous

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



14.4857, 0.1285, 0.0922



14.4857, 0.2597, 0.1204



14.4857, 0.4813, 0.1815

Triad

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



14.4857, 0.2597, 0.1204



14.4857, 0.5435, 0.4565



14.4857, 0.0556, 0.2605

Complementary

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



14.4857, 0.2597, 0.1204



56.3258, 0.3088, 0.5930

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.



14.4857, 0.1118, 0.5664



14.4857, 0.2597, 0.1204



14.4857, 0.3798, 0.6202

Square

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



14.4857, 0.2597, 0.1204



14.4857, 0.6614, 0.3386



14.4857, 0.2295, 0.7482



14.4857, 0.0486, 0.1322

Rectangle

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



14.4857, 0.2597, 0.1204



14.4857, 0.6199, 0.2328



14.4857, 0.2295, 0.7482



14.4857, 0.0669, 0.3426

Sweetspot

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



14.4906, 0.2597, 0.1204



57.1857, 0.3019, 0.2508



8.5315, 0.1575, 0.0868



11.2620, 0.2999, 0.2394



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.



14.4906, 0.2597, 0.1204



18.6193, 0.2593, 0.1202



19.4433, 0.3975, 0.1963



14.4309, 0.3099, 0.3056



8.4210, 0.2607, 0.1210



0.6644, 0.2698, 0.1260

Inverse Universe

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



16.7778, 0.5988, 0.3072



21.6027, 0.6002, 0.3080



55.8083, 0.2924, 0.5727



14.4247, 0.3255, 0.3234



9.6992, 0.5951, 0.3052



0.7311, 0.5539, 0.2825

Previews

White Background



This preview shows how the Yxy color 14.4857, 0.2597, 0.1204 looks on a white background.

Color Contrast Check

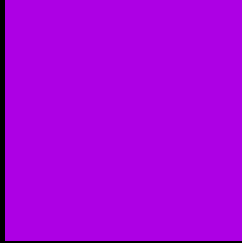
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.4857, 0.2597, 0.1204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

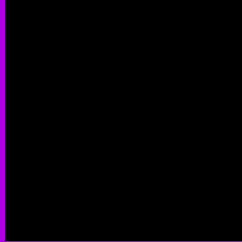
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.4857, 0.2597, 0.1204

Background



This preview shows how black text looks on a background with the Yxy color 14.4857, 0.2597, 0.1204.



This preview shows how white text looks on a background with the Yxy color 14.4857, 0.2597, 0.1204.

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

14.4857, 0.2597, 0.1204

Protanopia

15.0679, 0.1741, 0.1468

Deuteranopia

15.1747, 0.1845, 0.1842



Tritanopia

14.7616, 0.4047, 0.3174

Trichromacy



Original Color

14.4857, 0.2597, 0.1204



Protanomaly

10.2809, 0.1758, 0.1044



Deuteranomaly

9.9710, 0.1820, 0.1185



Tritanomaly

12.4135, 0.3437, 0.2032

Monochromacy



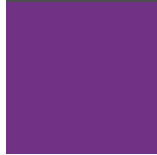
Original Color

14.4857, 0.2597, 0.1204



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

7.4854, 0.2856, 0.1755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.4857, 0.2597, 0.1204 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(173, 0, 228)` looks like.

```
.text, #text, p{  
    color:rgb(173, 0, 228)  
}
```

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(173, 0, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 228) }
```

Border

The CSS property to change the border of an element to Yxy 14.4857, 0.2597, 0.1204 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(173, 0, 228) }
```

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

```
.border{ border-color:rgb(173, 0, 228) }
```

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

Here you see how a box with a 4 pixel rgb(173, 0, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 228);  
box-shadow:4px 4px 4px 4px rgb(173, 0,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 14.4857, 0.2597, 0.1204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 0, 228) }
```

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

```
.background{ background-color: rgb(173, 0,  
228) }
```

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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