

Converting Colors

$Yxy(14.9596, 0.3003, 0.1428)$

Have a look what the booklet for
Yxy(14.9596, 0.3003, 0.1428)
contains.

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Color

Yxy(14.9244, 0.2999, 0.1426)

Conversions

Conversions Part 1

Format	Color
Hex	BB00CC
RGB	187, 0, 204
RGB Percent	73%, 0%, 80%
CMY	0.2668, 0.9993, 0.2000
CMYK	0.08, 1.00, 0.00, 0.20
HSL	295°, 100%, 40%
HSV	295°, 100%, 80%
XYZ	31.3873, 14.9244, 58.3475
YIQ	79.1690, 45.9680, 103.0880

Conversions

Conversions Part 2

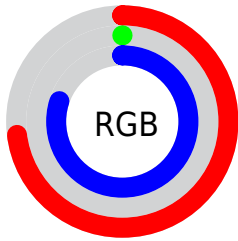
Format	Color
RYB	187, 0, 204
Decimal	12255436
CIELab	45.53, 80.38, -56.36
CIELCh	46, 98.174, 324.963
Yxy	14.9244, 0.2999, 0.1426
Android (android.graphics.Color)	4290445516 (0xFFBB00CC)
YUV	79.1690, 61.5417, 94.5678
Hunter-Lab	38.6321, 77.4190, -62.5054

Details

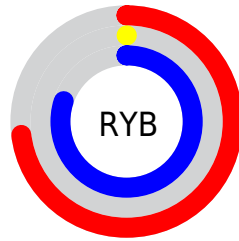
The Yxy color **14.9244, 0.2999, 0.1426** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as dark washed purple. A complement of this color would be **43.3030, 0.3017, 0.5986**, and the grayscale version is **7.7460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3065, 0.3121, 0.1783**, and **6.7591, 0.2861, 0.1350** is the 20% darker color. If you saturate the color by 10%, you get **14.9192, 0.2999, 0.1426**, and if you desaturate by 10%, it is **15.6582, 0.3020, 0.1475**.

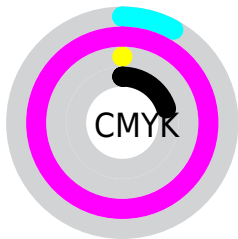
Distribution



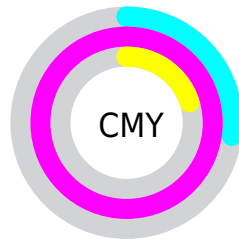
- Red (73%)
- Green (0%)
- Blue (80%)



- Red (73%)
- Yellow (0%)
- Blue (80%)



- Cyan (8%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)




- Cyan (27%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.9244, 0.2999, 0.1426 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 14.9244, 0.2999, 0.1426 by changing the saturation by 10% instead.


 14.9244, 0.2999,
0.1426


 14.9244, 0.2999,
0.1426


222.9082, 0.3129,
0.2324


 8.7663, 0.2944,
0.1226


 34.7205, 0.3063,
0.1737


 4.5891, 0.2861,
0.0989


 49.1273, 0.3082,
0.1859

 2.0082, 0.2730,
0.0713


 67.0526, 0.3096,
0.1964

 0.6123, 0.2519,
0.0390

 88.8805, 0.3106,
0.2055

 0.0000, 0.2172,
0.0000

 114.9957, 0.3114,
0.2135

 0.0000, 0.1359,
0.0000

 145.7824, 0.3120,

 0.0000, 0.0000,

0.2206

0.0000

181.6251, 0.3125,
0.2268

■ 14.9244, 0.2999,
0.1426

■ 14.9244, 0.2999,
0.1426

■ 14.9192, 0.2999,
0.1426

■ 15.6582, 0.3020,
0.1475

■ 16.9401, 0.3040,
0.1560

■ 18.9548, 0.3059,
0.1688

■ 21.8016, 0.3076,
0.1858

■ 25.5643, 0.3091,
0.2063

■ 30.3165, 0.3103,
0.2294

■ 36.1245, 0.3113,
0.2542

■ 43.0485, 0.3120,
0.2796

■ 51.1446, 0.3124,
0.3048

Harmonies

Analogous

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



14.9244, 0.1590, 0.1082



14.9244, 0.2999, 0.1426



14.9244, 0.5063, 0.2077

Triad

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



14.9244, 0.2999, 0.1426



14.9244, 0.5113, 0.4887



14.9244, 0.0663, 0.2377

Complementary

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



14.9244, 0.2999, 0.1426



43.3030, 0.3017, 0.5986

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.



14.9244, 0.1148, 0.4800



14.9244, 0.2999, 0.1426



14.9244, 0.3635, 0.6365

Square

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



14.9244, 0.2999, 0.1426



14.9244, 0.6288, 0.3712



14.9244, 0.2244, 0.6974



14.9244, 0.0629, 0.1356

Rectangle

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



14.9244, 0.2999, 0.1426



14.9244, 0.6164, 0.2592



14.9244, 0.2244, 0.6974



14.9244, 0.0758, 0.3010

Sweetspot

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



14.9251, 0.2999, 0.1426



59.3290, 0.3112, 0.2530



4.8807, 0.1518, 0.0664



11.7802, 0.3109, 0.2423



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.



14.9251, 0.2999, 0.1426



24.6638, 0.2996, 0.1424



14.2568, 0.4550, 0.2280



11.3543, 0.3125, 0.3061



9.4110, 0.3002, 0.1427



0.4999, 0.3045, 0.1451

Inverse Universe

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



12.8811, 0.6315, 0.3253



21.3152, 0.6332, 0.3262



43.7875, 0.2816, 0.5337



11.2286, 0.3277, 0.3271



8.1113, 0.6299, 0.3243



0.4238, 0.5987, 0.3072

Previews

White Background



This preview shows how the Yxy color 14.9244, 0.2999, 0.1426 looks on a white background.

Color Contrast Check

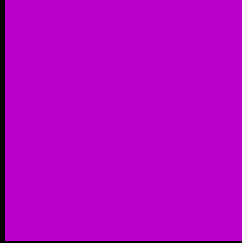
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.9244, 0.2999, 0.1426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

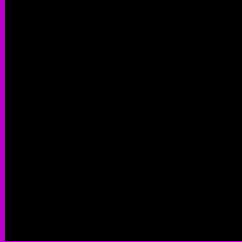
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.9244, 0.2999, 0.1426

Background



This preview shows how black text looks on a background with the Yxy color 14.9244, 0.2999, 0.1426.



This preview shows how white text looks on a background with the Yxy color 14.9244, 0.2999, 0.1426.

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

14.9244, 0.2999, 0.1426

Protanopia

15.6899, 0.1741, 0.1468

Deuteranopia

15.6461, 0.1923, 0.1867



Tritanopia

15.2934, 0.4568, 0.3207

Trichromacy



Original Color

14.9244, 0.2999, 0.1426



Protanomaly

10.3729, 0.1804, 0.1102



Deuteranomaly

10.8717, 0.2075, 0.1340



Tritanomaly

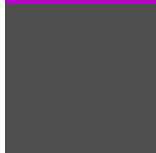
13.4176, 0.3981, 0.2272

Monochromacy



Original Color

14.9244, 0.2999, 0.1426



Achromatopsia

7.8187, 0.3127, 0.3290



Achromatomaly

7.5880, 0.3084, 0.1910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9244, 0.2999, 0.1426 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(187, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(187, 0, 204)  
}
```

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(187, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 0, 204) }
```

Border

The CSS property to change the border of an element to Yxy 14.9244, 0.2999, 0.1426 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(187, 0, 204) }
```

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

```
.border{ border-color:rgb(187, 0, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 0, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(187, 0,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9244, 0.2999, 0.1426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 0, 204) }
```

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

```
.background{ background-color: rgb(187, 0,  
204) }
```

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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