

Converting Colors

$Y_{xy}(14.6658, 0.2915, 0.1485)$

Have a look what the booklet for
Yxy(14.6658, 0.2915, 0.1485)
contains.

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Color

Yxy(14.7399, 0.2920, 0.1489)

Conversions

Conversions Part 1

Format	Color
Hex	B026C7
RGB	176, 38, 199
RGB Percent	69%, 15%, 78%
CMY	0.3098, 0.8509, 0.2197
CMYK	0.12, 0.81, 0.00, 0.22
HSL	291°, 68%, 46%
HSV	291°, 81%, 78%
XYZ	28.9056, 14.7399, 55.3464
YIQ	97.6160, 30.5670, 79.3270

Conversions

Conversions Part 2

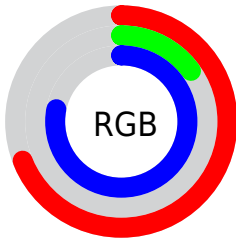
Format	Color
R _Y B	176, 38, 199
Decimal	11544263
CIE Lab	45.28, 72.12, -53.97
CIE LCh	45, 90.077, 323.193
Yxy	14.7399, 0.2920, 0.1489
Android (android.graphics.Color)	4289734343 (0xFFB026C7)
YUV	97.6160, 49.9823, 68.7428
Hunter-Lab	38.3926, 67.2051, -58.5971

Details

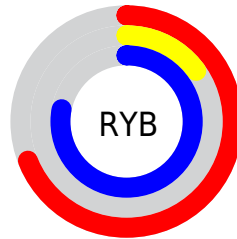
The Yxy color **14.7399, 0.2920, 0.1489** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **41.9729, 0.3092, 0.5718**, and the grayscale version is **11.9841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1895, 0.3008, 0.1806**, and **5.9356, 0.2782, 0.1306** is the 20% darker color. If you saturate the color by 10%, you get **13.4621, 0.2883, 0.1396**, and if you desaturate by 10%, it is **16.7053, 0.2957, 0.1626**.

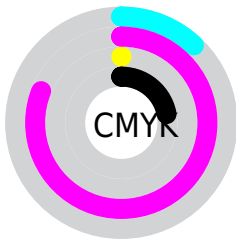
Distribution



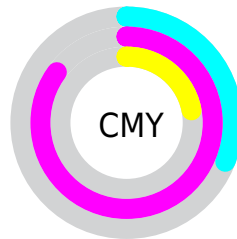
- Red (69%)
- Green (15%)
- Blue (78%)



- Red (69%)
- Yellow (15%)
- Blue (78%)



- Cyan (12%)
- Magenta (81%)
- Yellow (0%)
- Black (22%)




- Cyan (31%)
- Magenta (85%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7399, 0.2920, 0.1489 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 14.7399, 0.2920, 0.1489 by changing the saturation by 10% instead.


 14.7399, 0.2920,
0.1489


 14.7399, 0.2920,
0.1489


221.7865, 0.3088,
0.2372


 8.6370, 0.2856,
0.1288

 34.3962, 0.2997,
0.1799


 4.5052, 0.2760,
0.1046


 48.7185, 0.3022,
0.1919


 1.9600, 0.2612,
0.0760


 66.5494, 0.3040,
0.2022

 0.5841, 0.2377,
0.0415

 88.2732, 0.3054,
0.2111

 0.0000, 0.1990,
0.0000

 114.2745, 0.3066,
0.2189

 0.0000, 0.0806,
0.0000

 144.9375, 0.3075,

 0.0000, 0.0000,

0.2257

0.0000

180.6467, 0.3082,
0.2318

■ 14.7399, 0.2920,
0.1489

■ 14.7399, 0.2920,
0.1489

■ 13.4621, 0.2883,
0.1396

■ 16.7053, 0.2957,
0.1626

■ 12.7335, 0.2849,
0.1343

■ 19.4516, 0.2991,
0.1805

■ 23.0593, 0.3023,
0.2018

■ 27.5987, 0.3052,
0.2257

■ 33.1324, 0.3076,
0.2510

■ 39.7179, 0.3097,
0.2768

■ 47.4082, 0.3113,
0.3023

■ 56.2526, 0.3126,
0.3269

■ 66.2975, 0.3136,
0.3501

Harmonies

Analogous

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



14.7399, 0.1619, 0.1167



14.7399, 0.2920, 0.1489



14.7399, 0.4817, 0.2113

Triad

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



14.7399, 0.2920, 0.1489



14.7399, 0.5170, 0.4830



14.7399, 0.0788, 0.2562

Complementary

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



14.7399, 0.2920, 0.1489



41.9729, 0.3092, 0.5718

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.



14.7399, 0.1331, 0.4840



14.7399, 0.2920, 0.1489



14.7399, 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.



14.7399, 0.2920, 0.1489



14.7399, 0.6176, 0.3720



14.7399, 0.2446, 0.6700



14.7399, 0.0718, 0.1500

Rectangle

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



14.7399, 0.2920, 0.1489



14.7399, 0.5888, 0.2621



14.7399, 0.2446, 0.6700



14.7399, 0.0902, 0.3185

Sweetspot

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



14.7405, 0.2920, 0.1489



65.3549, 0.3090, 0.2678



7.9977, 0.1695, 0.1056



13.1003, 0.3083, 0.2585



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.



14.7405, 0.2920, 0.1489



22.5526, 0.2855, 0.1354



15.4998, 0.4053, 0.2154



10.7369, 0.3115, 0.3061



8.2182, 0.2854, 0.1346



0.4107, 0.2933, 0.1389

Inverse Universe

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



13.8642, 0.5610, 0.3100



21.6002, 0.6176, 0.3195



42.0678, 0.2806, 0.5075



10.6612, 0.3267, 0.3257



7.8707, 0.6192, 0.3185



0.3809, 0.5703, 0.2915

Previews

White Background



This preview shows how the Yxy color 14.7399, 0.2920, 0.1489 looks on a white background.

Color Contrast Check

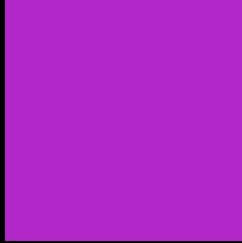
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.7399, 0.2920, 0.1489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

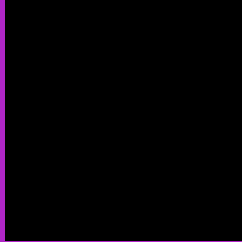
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.7399, 0.2920, 0.1489

Background



This preview shows how black text looks on a background with the Yxy color 14.7399, 0.2920, 0.1489.



This preview shows how white text looks on a background with the Yxy color 14.7399, 0.2920, 0.1489.

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

14.7399, 0.2920, 0.1489

Protanopia

15.0679, 0.1741, 0.1468

Deuteranopia

15.0604, 0.1932, 0.1877



Tritanopia

14.7602, 0.4316, 0.3198

Trichromacy



Original Color

14.7399, 0.2920, 0.1489



Protanomaly

11.5808, 0.1832, 0.1258



Deuteranomaly

12.2164, 0.2103, 0.1518



Tritanomaly

13.8415, 0.3759, 0.2368

Monochromacy



Original Color

14.7399, 0.2920, 0.1489



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.3538, 0.3039, 0.2217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7399, 0.2920, 0.1489 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(176, 38, 199)` looks like.

```
.text, #text, p{  
    color:rgb(176, 38, 199)  
}
```

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(176, 38, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 38, 199) }
```

Border

The CSS property to change the border of an element to Yxy 14.7399, 0.2920, 0.1489 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(176, 38, 199) }
```

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

```
.border{ border-color:rgb(176, 38, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 38, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 38, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 38, 199);  
box-shadow:4px 4px 4px 4px rgb(176, 38,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7399, 0.2920, 0.1489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 38, 199) }
```

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

```
.background{ background-color: rgb(176, 38,  
199) }
```

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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