

Converting Colors

$Y_{xy}(14.8150, 0.3032, 0.1720)$

Have a look what the booklet for
Yxy(14.8150, 0.3032, 0.1720)
contains.

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Color

Yxy(14.7890, 0.3028, 0.1719)

Conversions

Conversions Part 1

Format	Color
Hex	A83BB5
RGB	168, 59, 181
RGB Percent	66%, 23%, 71%
CMY	0.3412, 0.7686, 0.2902
CMYK	0.07, 0.67, 0.00, 0.29
HSL	294°, 51%, 47%
HSV	294°, 67%, 71%
XYZ	26.0507, 14.7890, 45.1929
YIQ	105.4990, 25.8020, 61.0500

Conversions

Conversions Part 2

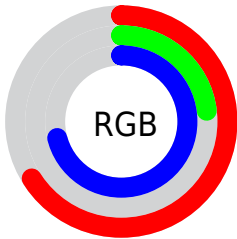
Format	Color
R_{YB}	168, 59, 181
Decimal	11025333
CIE _{Lab}	45.34, 60.37, -43.42
CIE _{LCh}	45, 74.366, 324.275
Yxy	14.7890, 0.3028, 0.1719
Android (android.graphics.Color)	4289215413 (0xFFA83BB5)
YUV	105.4990, 37.2220, 54.8134
Hunter-Lab	38.4565, 53.6183, -42.7563

Details

The Yxy color **14.7890, 0.3028, 0.1719** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **34.7388, 0.3098, 0.5384**, and the grayscale version is **14.1627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5446, 0.3081, 0.2016**, and **4.9771, 0.2922, 0.1383** is the 20% darker color. If you saturate the color by 10%, you get **13.0299, 0.3003, 0.1573**, and if you desaturate by 10%, it is **17.1974, 0.3051, 0.1904**.

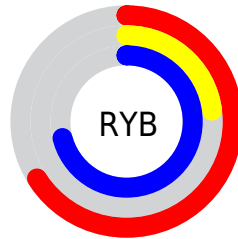
Distribution



Red (66%)

Green (23%)

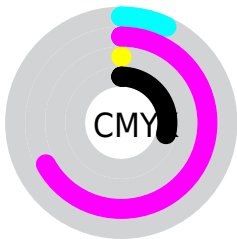
Blue (71%)



Red (66%)

Yellow (23%)

Blue (71%)

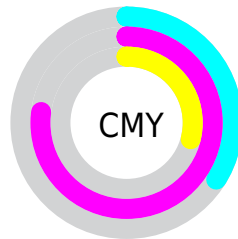


Cyan (7%)

Magenta (67%)

Yellow (0%)

Black (29%)



Cyan (34%)


Magenta (77%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7890, 0.3028, 0.1719 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 14.7890, 0.3028, 0.1719 by changing the saturation by 10% instead.


 14.7890, 0.3028,
0.1719


 14.7890, 0.3028,
0.1719


222.0855, 0.3124,
0.2521


 8.6714, 0.2985,
0.1523


 34.4826, 0.3076,
0.2009


 4.5275, 0.2917,
0.1279


 48.8274, 0.3090,
0.2119

 1.9728, 0.2804,
0.0974

 66.6834, 0.3100,
0.2212

 0.5916, 0.2609,
0.0574

 88.4351, 0.3108,
0.2292

 0.0000, 0.2259,
0.0000

 114.4667, 0.3114,
0.2361

 0.0000, 0.0000,
0.0000

145.1627, 0.3118,

0.2421

180.9075, 0.3122,
0.2474

■ 14.7890, 0.3028,
0.1719

■ 14.7890, 0.3028,
0.1719

■ 13.0299, 0.3003,
0.1573

■ 17.1974, 0.3051,
0.1904

■ 11.8483, 0.2977,
0.1471

■ 20.3131, 0.3071,
0.2120

■ 11.1412, 0.2950,
0.1408

■ 24.1901, 0.3089,
0.2358

■ 10.9860, 0.2942,
0.1395

■ 28.8764, 0.3103,
0.2608

■ 34.4161, 0.3114,
0.2862

■ 40.8501, 0.3123,
0.3112

■ 48.2166, 0.3128,
0.3351

■ 56.5517, 0.3132,
0.3577

■ 65.8896, 0.3134,
0.3787

Harmonies

Analogous

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



14.7890, 0.1851, 0.1402



14.7890, 0.3028, 0.1719



14.7890, 0.4605, 0.2311

Triad

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



14.7890, 0.3028, 0.1719



14.7890, 0.5032, 0.4872



14.7890, 0.1050, 0.2686

Complementary

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



14.7890, 0.3028, 0.1719



34.7388, 0.3098, 0.5384

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.



14.7890, 0.1592, 0.4484



14.7890, 0.3028, 0.1719



14.7890, 0.3852, 0.5860

Square

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



14.7890, 0.3028, 0.1719



14.7890, 0.5800, 0.3867



14.7890, 0.2631, 0.6025



14.7890, 0.0961, 0.1732

Rectangle

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



14.7890, 0.3028, 0.1719



14.7890, 0.5481, 0.2798



14.7890, 0.2631, 0.6025



14.7890, 0.1171, 0.3200

Sweetspot

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



14.7896, 0.3028, 0.1719



58.5617, 0.3111, 0.2788



9.0641, 0.1889, 0.1365



12.0584, 0.3108, 0.2718



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



14.7896, 0.3028, 0.1719



22.1679, 0.2990, 0.1517



14.6804, 0.3910, 0.2302



8.5998, 0.3121, 0.3064



7.5924, 0.2946, 0.1397



0.2520, 0.3024, 0.1440

Inverse Universe

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



13.4208, 0.5093, 0.3137



19.8182, 0.5740, 0.3160



35.0107, 0.2783, 0.4658



8.5195, 0.3271, 0.3266



6.8106, 0.6253, 0.3218



0.2190, 0.5748, 0.2940

Previews

White Background



This preview shows how the Yxy color 14.7890, 0.3028, 0.1719 looks on a white background.

Color Contrast Check

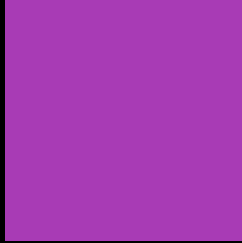
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.7890, 0.3028, 0.1719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

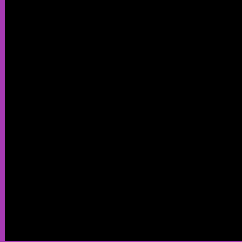
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.7890, 0.3028, 0.1719

Background



This preview shows how black text looks on a background with the Yxy color 14.7890, 0.3028, 0.1719.



This preview shows how white text looks on a background with the Yxy color 14.7890, 0.3028, 0.1719.

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

14.7890, 0.3028, 0.1719

Protanopia

15.1211, 0.1739, 0.1461

Deuteranopia

15.0443, 0.2140, 0.2087



Tritanopia

14.7748, 0.4170, 0.3194

Trichromacy



Original Color

14.7890, 0.3028, 0.1719



Protanomaly

12.4278, 0.1862, 0.1398



Deuteranomaly

13.5111, 0.2366, 0.1833



Tritanomaly

14.3655, 0.3727, 0.2543

Monochromacy



Original Color

14.7890, 0.3028, 0.1719



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

13.5053, 0.3106, 0.2488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7890, 0.3028, 0.1719 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(168, 59, 181)` looks like.

```
.text, #text, p{  
    color:rgb(168, 59, 181)  
}
```

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(168, 59, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 59, 181) }
```

Border

The CSS property to change the border of an element to Yxy 14.7890, 0.3028, 0.1719 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(168, 59, 181) }
```

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

```
.border{ border-color:rgb(168, 59, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 59, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 59, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 59, 181);  
box-shadow:4px 4px 4px 4px rgb(168, 59,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7890, 0.3028, 0.1719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 59, 181) }
```

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

```
.background{ background-color: rgb(168, 59,  
181) }
```

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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