

Converting Colors

$Y_{xy}(14.5417, 0.3171, 0.1746)$

Have a look what the booklet for
Yxy(14.5417, 0.3171, 0.1746)
contains.

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Color

Yxy(14.5892, 0.3172, 0.1745)

Conversions

Conversions Part 1

Format	Color
Hex	AE34B0
RGB	174, 52, 176
RGB Percent	68%, 20%, 69%
CMY	0.3177, 0.7960, 0.3098
CMYK	0.01, 0.70, 0.00, 0.31
HSL	299°, 54%, 45%
HSV	299°, 70%, 69%
XYZ	26.5197, 14.5892, 42.4968
YIQ	102.6140, 32.9080, 64.4280

Conversions

Conversions Part 2

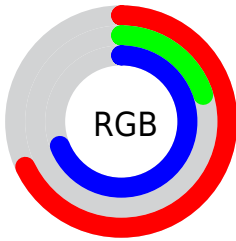
Format	Color
RYB	174, 52, 176
Decimal	11416752
CIELab	45.07, 63.51, -40.87
CIELCh	45, 75.523, 327.234
Yxy	14.5892, 0.3172, 0.1745
Android (android.graphics.Color)	4289606832 (0xFFAE34B0)
YUV	102.6140, 36.1793, 62.6055
Hunter-Lab	38.1958, 57.0917, -39.2292

Details

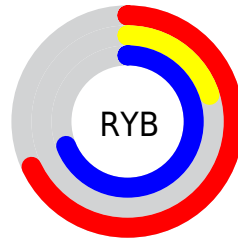
The Yxy color **14.5892, 0.3172, 0.1745** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **32.0869, 0.3032, 0.5507**, and the grayscale version is **13.3542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1339, 0.3186, 0.2036**, and **5.2816, 0.3111, 0.1488** is the 20% darker color. If you saturate the color by 10%, you get **13.2678, 0.3173, 0.1631**, and if you desaturate by 10%, it is **16.4976, 0.3170, 0.1900**.

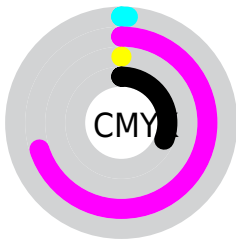
Distribution



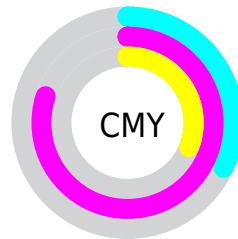
- Red (68%)
- Green (20%)
- Blue (69%)



- Red (68%)
- Yellow (20%)
- Blue (69%)



- Cyan (1%)
- Magenta (70%)
- Yellow (0%)
- Black (31%)




- Cyan (32%)
- Magenta (80%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.5892, 0.3172, 0.1745 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 14.5892, 0.3172, 0.1745 by changing the saturation by 10% instead.


 14.5892, 0.3172,
0.1745


 14.5892, 0.3172,
0.1745


220.8661, 0.3187,
0.2536


 8.5316, 0.3152,
0.1550


 34.1309, 0.3189,
0.2033


 4.4369, 0.3114,
0.1306


 48.3838, 0.3191,
0.2141

 1.9209, 0.3042,
0.0999

 66.1372, 0.3192,
0.2233

 0.5609, 0.2906,
0.0583

 87.7755, 0.3192,
0.2311

 0.0000, 0.2628,
0.0000

 113.6832, 0.3191,
0.2379

 0.0000, 0.0000,
0.0000

144.2446, 0.3190,

0.2438

179.8441, 0.3189,
0.2490

■ 14.5892, 0.3172,
0.1745

■ 14.5892, 0.3172,
0.1745

■ 13.2678, 0.3173,
0.1631

■ 16.4976, 0.3170,
0.1900

■ 12.4625, 0.3171,
0.1558

■ 19.0494, 0.3165,
0.2090

■ 12.0364, 0.3169,
0.1519

■ 22.2966, 0.3159,
0.2308

■ 26.2854, 0.3152,
0.2545

■ 31.0580, 0.3145,
0.2791

■ 36.6534, 0.3136,
0.3038

■ 43.1081, 0.3128,
0.3279

■ 50.4563, 0.3119,
0.3510

■ 58.7304, 0.3111,
0.3727

Harmonies

Analogous

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



14.5892, 0.1922, 0.1397



14.5892, 0.3172, 0.1745



14.5892, 0.4785, 0.2364

Triad

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



14.5892, 0.3172, 0.1745



14.5892, 0.4949, 0.4997



14.5892, 0.0996, 0.2535

Complementary

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



14.5892, 0.3172, 0.1745



32.0869, 0.3032, 0.5507

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.



14.5892, 0.1485, 0.4302



14.5892, 0.3172, 0.1745



14.5892, 0.3723, 0.5975

Square

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



14.5892, 0.3172, 0.1745



14.5892, 0.5785, 0.3947



14.5892, 0.2494, 0.6008



14.5892, 0.0945, 0.1650

Rectangle

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



14.5892, 0.3172, 0.1745



14.5892, 0.5620, 0.2859



14.5892, 0.2494, 0.6008



14.5892, 0.1100, 0.3026

Sweetspot

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



14.5899, 0.3172, 0.1745



55.4686, 0.3145, 0.2768



6.5106, 0.1797, 0.1106



11.4941, 0.3147, 0.2702



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



14.5899, 0.3172, 0.1745



23.0763, 0.3172, 0.1582



12.9506, 0.4197, 0.2438



8.6396, 0.3135, 0.3065



8.8330, 0.3169, 0.1520



0.2801, 0.3181, 0.1526

Inverse Universe

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



11.9544, 0.5423, 0.3274



18.0462, 0.6076, 0.3283



32.9529, 0.2705, 0.4487



8.5074, 0.3285, 0.3287



6.7777, 0.6379, 0.3288



0.2140, 0.6289, 0.3238

Previews

White Background



This preview shows how the Yxy color 14.5892, 0.3172, 0.1745 looks on a white background.

Color Contrast Check

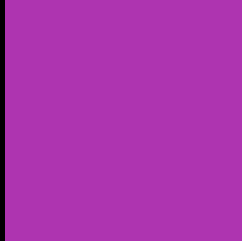
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.5892, 0.3172, 0.1745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

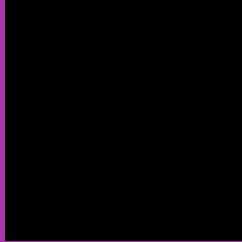
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.5892, 0.3172, 0.1745

Background



This preview shows how black text looks on a background with the Yxy color 14.5892, 0.3172, 0.1745.



This preview shows how white text looks on a background with the Yxy color 14.5892, 0.3172, 0.1745.

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

14.5892, 0.3172, 0.1745

Protanopia

14.8678, 0.1737, 0.1454

Deuteranopia

14.8419, 0.2215, 0.2161



Tritanopia

14.6317, 0.4394, 0.3200

Trichromacy



Original Color

14.5892, 0.3172, 0.1745



Protanomaly

11.7570, 0.1865, 0.1360



Deuteranomaly

13.1634, 0.2472, 0.1876



Tritanomaly

14.1874, 0.3938, 0.2564

Monochromacy



Original Color

14.5892, 0.3172, 0.1745



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

12.6195, 0.3152, 0.2447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5892, 0.3172, 0.1745 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, 52, 176)` looks like.

```
.text, #text, p{  
    color:rgb(174, 52, 176)  
}
```

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, 52, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 52, 176) }
```

Border

The CSS property to change the border of an element to Yxy 14.5892, 0.3172, 0.1745 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, 52, 176) }
```

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

```
.border{ border-color:rgb(174, 52, 176) }
```

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

Here you see how a box with a 4 pixel rgb(174, 52, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 52, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 52, 176);  
box-shadow:4px 4px 4px 4px rgb(174, 52,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 14.5892, 0.3172, 0.1745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 52, 176) }
```

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

```
.background{ background-color: rgb(174, 52,  
176) }
```

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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