

Converting Colors

$Y_{xy}(13.9788, 0.2983, 0.1828)$

Have a look what the booklet for
Yxy(13.9788, 0.2983, 0.1828)
contains.

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Color

Yxy(14.0051, 0.2991, 0.1834)

Conversions

Conversions Part 1

Format	Color
Hex	9B44AA
RGB	155, 68, 170
RGB Percent	61%, 27%, 67%
CMY	0.3921, 0.7333, 0.3334
CMYK	0.09, 0.60, 0.00, 0.33
HSL	291°, 43%, 47%
HSV	291°, 60%, 67%
XYZ	22.8404, 14.0051, 39.5182
YIQ	105.6410, 19.1100, 50.1660

Conversions

Conversions Part 2

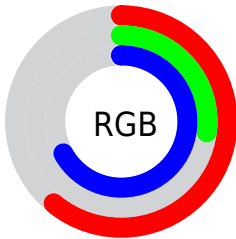
Format	Color
RYB	155, 68, 170
Decimal	10175658
CIELab	44.24, 51.20, -38.80
CIELCh	44, 64.240, 322.844
Yxy	14.0051, 0.2991, 0.1834
Android (android.graphics.Color)	4288365738 (0xFF9B44AA)
YUV	105.6410, 31.7290, 43.2878
Hunter-Lab	37.4234, 43.4518, -36.4125

Details

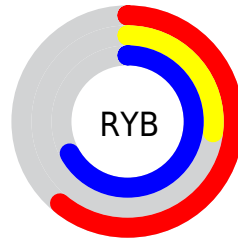
The Yxy color **14.0051, 0.2991, 0.1834** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **30.9957, 0.3141, 0.5130**, and the grayscale version is **14.2183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1628, 0.3045, 0.2116**, and **4.1813, 0.2880, 0.1394** is the 20% darker color. If you saturate the color by 10%, you get **11.9950, 0.2956, 0.1650**, and if you desaturate by 10%, it is **16.6175, 0.3023, 0.2050**.

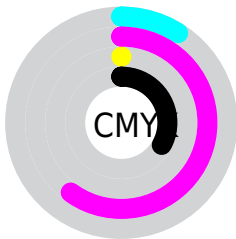
Distribution



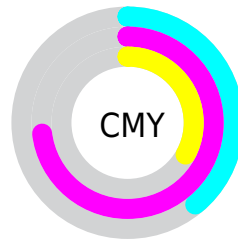
- Red (61%)
- Green (27%)
- Blue (67%)



- Red (61%)
- Yellow (27%)
- Blue (67%)



- Cyan (9%)
- Magenta (60%)
- Yellow (0%)
- Black (33%)





- Cyan (39%)
- Magenta (73%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.0051, 0.2991, 0.1834 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 14.0051, 0.2991, 0.1834 by changing the saturation by 10% instead.


 14.0051, 0.2991,
0.1834


 14.0051, 0.2991,
0.1834


217.2626, 0.3102,
0.2598


 8.1242, 0.2944,
0.1639


 33.0981, 0.3044,
0.2117


 4.1745, 0.2871,
0.1390


 47.0790, 0.3060,
0.2222


 1.7717, 0.2748,
0.1070

 64.5286, 0.3072,
0.2310

 0.4694, 0.2543,
0.0592

 85.8315, 0.3081,
0.2385

 0.0000, 0.2082,
0.0000

 111.3719, 0.3088,
0.2449

 0.0000, 0.0000,
0.0000

141.5343, 0.3094,

0.2505

176.7030, 0.3099,
0.2555

■ 14.0051, 0.2991,
0.1834

■ 14.0051, 0.2991,
0.1834

■ 11.9950, 0.2956,
0.1650

■ 16.6175, 0.3023,
0.2050

■ 10.5322, 0.2919,
0.1506

■ 19.8773, 0.3052,
0.2289

■ 9.5548, 0.2881,
0.1406

■ 23.8272, 0.3077,
0.2541

■ 8.9247, 0.2843,
0.1340

■ 28.5058, 0.3097,
0.2796

■ 8.9244, 0.2843,
0.1340

■ 33.9489, 0.3114,
0.3048

■ 40.1899, 0.3127,
0.3290

■ 47.2601, 0.3137,
0.3519

■ 55.1892, 0.3144,
0.3731

■ 64.0056, 0.3150,
0.3926

Harmonies

Analogous

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



14.0051, 0.1936, 0.1547



14.0051, 0.2991, 0.1834



14.0051, 0.4376, 0.2383

Triad

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



14.0051, 0.2991, 0.1834



14.0051, 0.4949, 0.4754



14.0051, 0.1245, 0.2846

Complementary

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



14.0051, 0.2991, 0.1834



30.9957, 0.3141, 0.5130

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.



14.0051, 0.1803, 0.4416



14.0051, 0.2991, 0.1834



14.0051, 0.3925, 0.5591

Square

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



14.0051, 0.2991, 0.1834



14.0051, 0.5583, 0.3868



14.0051, 0.2795, 0.5684



14.0051, 0.1123, 0.1920

Rectangle

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



14.0051, 0.2991, 0.1834



14.0051, 0.5169, 0.2844



14.0051, 0.2795, 0.5684



14.0051, 0.1376, 0.3314

Sweetspot

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



14.0057, 0.2991, 0.1834



53.2852, 0.3100, 0.2839



10.3625, 0.2042, 0.1659



11.2991, 0.3095, 0.2767



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



14.0057, 0.2991, 0.1834



20.7857, 0.2944, 0.1598



14.4071, 0.3728, 0.2339



7.6100, 0.3115, 0.3066



6.5856, 0.2847, 0.1342



0.1749, 0.2975, 0.1412

Inverse Universe

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



13.3019, 0.4678, 0.3080



19.6288, 0.5243, 0.3075



30.9632, 0.2822, 0.4541



7.5596, 0.3263, 0.3257



6.3434, 0.6169, 0.3172



0.1595, 0.5466, 0.2785

Previews

White Background



This preview shows how the Yxy color 14.0051, 0.2991, 0.1834 looks on a white background.

Color Contrast Check

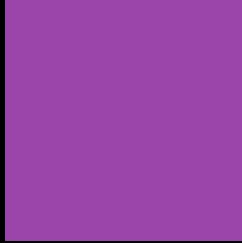
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.0051, 0.2991, 0.1834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

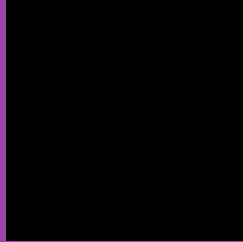
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.0051, 0.2991, 0.1834

Background



This preview shows how black text looks on a background with the Yxy color 14.0051, 0.2991, 0.1834.



This preview shows how white text looks on a background with the Yxy color 14.0051, 0.2991, 0.1834.

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

14.0051, 0.2991, 0.1834

Protanopia

14.3713, 0.1869, 0.1620

Deuteranopia

14.2433, 0.2226, 0.2177



Tritanopia

14.0090, 0.3926, 0.3168

Trichromacy



Original Color

14.0051, 0.2991, 0.1834



Protanomaly

13.0085, 0.2095, 0.1623



Deuteranomaly

13.3505, 0.2430, 0.1976



Tritanomaly

13.7045, 0.3568, 0.2586

Monochromacy



Original Color

14.0051, 0.2991, 0.1834



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

13.5244, 0.3087, 0.2593

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0051, 0.2991, 0.1834 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(155, 68, 170)` looks like.

```
.text, #text, p{  
    color:rgb(155, 68, 170)  
}
```

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(155, 68, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 68, 170) }
```

Border

The CSS property to change the border of an element to Yxy 14.0051, 0.2991, 0.1834 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(155, 68, 170) }
```

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

```
.border{ border-color:rgb(155, 68, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 68, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 68, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 68, 170); box-shadow:4px 4px 4px 4px rgb(155, 68, 170) }
```


Background

The CSS property to change the background color of an element to Yxy 14.0051, 0.2991, 0.1834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 68, 170) }
```

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

```
.background{ background-color: rgb(155, 68,  
170) }
```

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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