

Converting Colors

$Y_{xy}(13.8991, 0.3059, 0.2036)$

Have a look what the booklet for
Yxy(13.8991, 0.3059, 0.2036)
contains.

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Color

Yxy(13.8991, 0.3059, 0.2036)

Conversions

Conversions Part 1

Format	Color
Hex	944C9D
RGB	148, 76, 157
RGB Percent	58%, 30%, 62%
CMY	0.4196, 0.7019, 0.3843
CMYK	0.06, 0.52, 0.00, 0.38
HSL	293°, 35%, 46%
HSV	293°, 52%, 62%
XYZ	20.8828, 13.8991, 33.4848
YIQ	106.7620, 16.9110, 40.4550

Conversions

Conversions Part 2

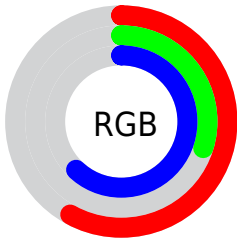
Format	Color
R_{YB}	148, 76, 157
Decimal	9718941
CIE _{Lab}	44.09, 42.71, -31.40
CIE _{LCh}	44, 53.008, 323.678
Yxy	13.8991, 0.3059, 0.2036
Android (android.graphics.Color)	4287909021 (0xFF944C9D)
YUV	106.7620, 24.7673, 36.1657
Hunter-Lab	37.2815, 34.7420, -27.1550

Details

The Yxy color **13.8991, 0.3059, 0.2036** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **26.5716, 0.3125, 0.4853**, and the grayscale version is **14.5611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0292, 0.3094, 0.2296**, and **4.1061, 0.2984, 0.1613** is the 20% darker color. If you saturate the color by 10%, you get **11.8321, 0.3037, 0.1832**, and if you desaturate by 10%, it is **16.4978, 0.3079, 0.2265**.

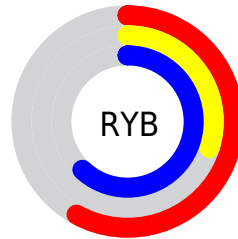
Distribution



Red (58%)

Green (30%)

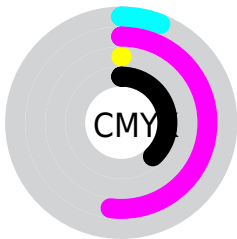
Blue (62%)



Red (58%)

Yellow (30%)

Blue (62%)

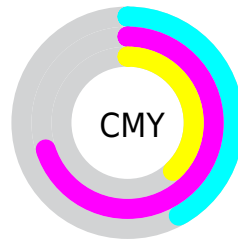


Cyan (6%)

Magenta (52%)

Yellow (0%)

Black (38%)



Cyan (42%)


Magenta (70%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8991, 0.3059, 0.2036 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 13.8991, 0.3059, 0.2036 by changing the saturation by 10% instead.


 13.8991, 0.3059,
0.2036


 13.8991, 0.3059,
0.2036


216.6022, 0.3123,
0.2713


 8.0505, 0.3028,
0.1854


 32.9099, 0.3092,
0.2293


 4.1273, 0.2977,
0.1615


 46.8409, 0.3101,
0.2386


 1.7450, 0.2886,
0.1293

 64.2348, 0.3108,
0.2463

 0.4526, 0.2732,
0.0752

 85.4761, 0.3113,
0.2529

 0.0000, 0.2101,
0.0000

 110.9490, 0.3116,
0.2585

 0.0000, 0.0000,
0.0000

141.0381, 0.3119,

0.2633

176.1277, 0.3121,
0.2675

■ 13.8991, 0.3059,
0.2036

■ 13.8991, 0.3059,
0.2036

■ 11.8321, 0.3037,
0.1832

■ 16.4978, 0.3079,
0.2265

■ 10.2557, 0.3012,
0.1661

■ 19.6615, 0.3095,
0.2510

■ 9.1262, 0.2985,
0.1530

■ 23.4229, 0.3108,
0.2761

■ 8.3908, 0.2957,
0.1441

■ 27.8118, 0.3119,
0.3011

■ 7.9699, 0.2934,
0.1390

■ 32.8559, 0.3126,
0.3253

■ 38.5813, 0.3131,
0.3482

■ 45.0126, 0.3135,
0.3697

■ 52.1733, 0.3137,
0.3895

■ 60.0857, 0.3137,
0.4077

Harmonies

Analogous

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



13.8991, 0.2131, 0.1769



13.8991, 0.3059, 0.2036



13.8991, 0.4204, 0.2538

Triad

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



13.8991, 0.3059, 0.2036



13.8991, 0.4737, 0.4661



13.8991, 0.1492, 0.2926

Complementary

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



13.8991, 0.3059, 0.2036



26.5716, 0.3125, 0.4853

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.



13.8991, 0.2006, 0.4175



13.8991, 0.3059, 0.2036



13.8991, 0.3871, 0.5268

Square

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



13.8991, 0.3059, 0.2036



13.8991, 0.5232, 0.3905



13.8991, 0.2880, 0.5203



13.8991, 0.1369, 0.2122

Rectangle

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



13.8991, 0.3059, 0.2036



13.8991, 0.4849, 0.2961



13.8991, 0.2880, 0.5203



13.8991, 0.1617, 0.3309

Sweetspot

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



13.8997, 0.3059, 0.2036



46.7618, 0.3115, 0.2919



10.5404, 0.2199, 0.1876



9.9511, 0.3113, 0.2871



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



13.8997, 0.3059, 0.2036



20.6777, 0.3033, 0.1802



13.8440, 0.3654, 0.2498



6.7171, 0.3121, 0.3068



6.4820, 0.2936, 0.1391



0.1255, 0.3053, 0.1456

Inverse Universe

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



12.9950, 0.4393, 0.3148



18.9839, 0.4866, 0.3131



26.7169, 0.2829, 0.4270



6.6576, 0.3267, 0.3265



5.8589, 0.6235, 0.3208



0.1078, 0.5594, 0.2855

Previews

White Background



This preview shows how the Yxy color 13.8991, 0.3059, 0.2036 looks on a white background.

Color Contrast Check

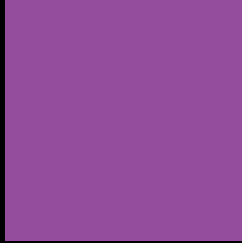
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.8991, 0.3059, 0.2036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

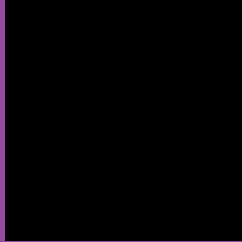
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8991, 0.3059, 0.2036

Background



This preview shows how black text looks on a background with the Yxy color 13.8991, 0.3059, 0.2036.



This preview shows how white text looks on a background with the Yxy color 13.8991, 0.3059, 0.2036.

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

13.8991, 0.3059, 0.2036

Protanopia

14.1376, 0.2084, 0.1890

Deuteranopia

14.1461, 0.2398, 0.2347



Tritanopia

13.9395, 0.3804, 0.3164

Trichromacy



Original Color

13.8991, 0.3059, 0.2036

Protanomaly

13.4599, 0.2334, 0.1903

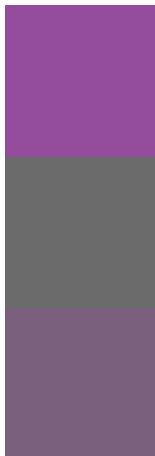
Deuteranomaly

13.5897, 0.2600, 0.2189

Tritanomaly

13.8271, 0.3527, 0.2712

Monochromacy



Original Color

13.8991, 0.3059, 0.2036

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

13.9840, 0.3110, 0.2734

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8991, 0.3059, 0.2036 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(148, 76, 157)` looks like.

```
.text, #text, p{  
  color:rgb(148, 76, 157)  
}
```

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(148, 76, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 76, 157) }
```

Border

The CSS property to change the border of an element to Yxy 13.8991, 0.3059, 0.2036 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(148, 76, 157) }
```

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

```
.border{ border-color:rgb(148, 76, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 76, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 76, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 76, 157); box-shadow:4px 4px 4px 4px rgb(148, 76, 157) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8991, 0.3059, 0.2036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 76, 157) }
```

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

```
.background{ background-color: rgb(148, 76,  
157) }
```

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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