

Converting Colors

$Y_{xy}(13.9324, 0.2866, 0.1852)$

Have a look what the booklet for
Yxy(13.9324, 0.2866, 0.1852)
contains.

Yxy(13.9108, 0.2873, 0.1854)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.9108, 0.2873, 0.1854)

Conversions

Conversions Part 1

Format	Color
Hex	924AAA
RGB	146, 74, 170
RGB Percent	57%, 29%, 67%
CMY	0.4274, 0.7098, 0.3335
CMYK	0.14, 0.56, 0.00, 0.33
HSL	285°, 39%, 48%
HSV	285°, 56%, 67%
XYZ	21.5565, 13.9108, 39.5640
YIQ	106.4720, 12.0960, 45.1200

Conversions

Conversions Part 2

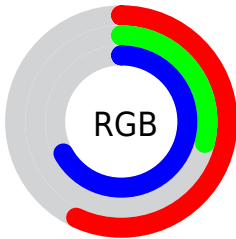
Format	Color
R_{YB}	146, 74, 170
Decimal	9587370
CIE _{Lab}	44.10, 45.85, -39.09
CIE _{LCh}	44, 60.247, 319.549
Yxy	13.9108, 0.2873, 0.1854
Android (android.graphics.Color)	4287777450 (0xFF924AAA)
YUV	106.4720, 31.3193, 34.6661
Hunter-Lab	37.2972, 37.8968, -36.7854

Details

The Yxy color **13.9108, 0.2873, 0.1854** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **31.8281, 0.3225, 0.4973**, and the grayscale version is **14.4601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9693, 0.2949, 0.2135**, and **4.0960, 0.2704, 0.1403** is the 20% darker color. If you saturate the color by 10%, you get **11.5581, 0.2809, 0.1637**, and if you desaturate by 10%, it is **16.8922, 0.2932, 0.2097**.

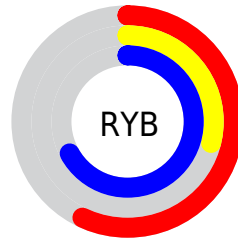
Distribution



Red (57%)

Green (29%)

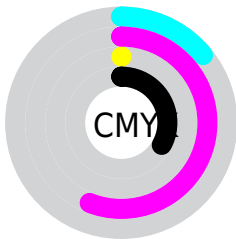
Blue (67%)



Red (57%)

Yellow (29%)

Blue (67%)

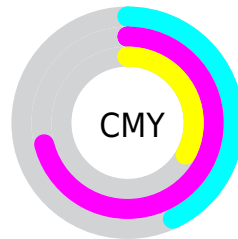


Cyan (14%)

Magenta (56%)

Yellow (0%)

Black (33%)



Cyan (43%)


Magenta (71%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.9108, 0.2873, 0.1854 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 13.9108, 0.2873, 0.1854 by changing the saturation by 10% instead.


 13.9108, 0.2873,
0.1854


 13.9108, 0.2873,
0.1854


216.6752, 0.3049,
0.2613


 8.0587, 0.2808,
0.1658


 32.9307, 0.2951,
0.2136


 4.1325, 0.2711,
0.1408


 46.8672, 0.2976,
0.2241


 1.7480, 0.2554,
0.1084

 64.2673, 0.2996,
0.2328

 0.4544, 0.2302,
0.0591

 85.5153, 0.3011,
0.2402

 0.0000, 0.1688,
0.0000

 110.9958, 0.3023,
0.2466

 0.0000, 0.0000,
0.0000

141.0930, 0.3034,

0.2521

176.1913, 0.3042,
0.2570

■ 13.9108, 0.2873,
0.1854

■ 13.9108, 0.2873,
0.1854

■ 11.5581, 0.2809,
0.1637

■ 16.8922, 0.2932,
0.2097

■ 9.7817, 0.2743,
0.1457

■ 20.5457, 0.2986,
0.2356

■ 8.5231, 0.2676,
0.1320

■ 24.9129, 0.3033,
0.2621

■ 7.7008, 0.2611,
0.1228

■ 30.0314, 0.3074,
0.2883

■ 7.4532, 0.2588,
0.1199

■ 35.9362, 0.3108,
0.3135

■ 42.6600, 0.3137,
0.3373

■ 50.2336, 0.3159,
0.3594

■ 58.6864, 0.3178,
0.3797

■ 68.0463, 0.3192,
0.3983

Harmonies

Analogous

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



13.9108, 0.1911, 0.1606



13.9108, 0.2873, 0.1854



13.9108, 0.4164, 0.2362

Triad

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



13.9108, 0.2873, 0.1854



13.9108, 0.4978, 0.4627



13.9108, 0.1368, 0.3023

Complementary

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



13.9108, 0.2873, 0.1854



31.8281, 0.3225, 0.4973

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.



13.9108, 0.1969, 0.4514



13.9108, 0.2873, 0.1854



13.9108, 0.4038, 0.5417

Square

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



13.9108, 0.2873, 0.1854



13.9108, 0.5493, 0.3791



13.9108, 0.2956, 0.5577



13.9108, 0.1200, 0.2062

Rectangle

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



13.9108, 0.2873, 0.1854



13.9108, 0.4948, 0.2802



13.9108, 0.2956, 0.5577



13.9108, 0.1516, 0.3484

Sweetspot

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



13.9114, 0.2873, 0.1854



53.6643, 0.3071, 0.2861



13.0928, 0.2146, 0.1945



11.5470, 0.3063, 0.2810



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.



13.9114, 0.2873, 0.1854



19.9830, 0.2791, 0.1583



15.5163, 0.3527, 0.2261



7.5709, 0.3099, 0.3065



5.5120, 0.2595, 0.1203



0.1561, 0.2809, 0.1321

Inverse Universe

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



14.3230, 0.4354, 0.2939



21.1084, 0.4819, 0.2900



31.0763, 0.2895, 0.4638



7.5719, 0.3248, 0.3234



6.4198, 0.5889, 0.3018



0.1641, 0.4997, 0.2526

Previews

White Background



This preview shows how the Yxy color 13.9108, 0.2873, 0.1854 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 13.9108, 0.2873, 0.1854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

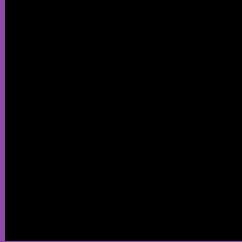
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9108, 0.2873, 0.1854

Background



This preview shows how black text looks on a background with the Yxy color 13.9108, 0.2873, 0.1854.



This preview shows how white text looks on a background with the Yxy color 13.9108, 0.2873, 0.1854.

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

13.9108, 0.2873, 0.1854

Protanopia

14.2725, 0.1918, 0.1686

Deuteranopia

14.2000, 0.2204, 0.2158



Tritanopia

13.9830, 0.3699, 0.3160

Trichromacy



Original Color

13.9108, 0.2873, 0.1854

Protanomaly

13.2684, 0.2126, 0.1686

Deuteranomaly

13.4679, 0.2394, 0.1997

Tritanomaly

13.7117, 0.3388, 0.2604

Monochromacy



Original Color

13.9108, 0.2873, 0.1854

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

13.6553, 0.3044, 0.2622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9108, 0.2873, 0.1854 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(146, 74, 170)` looks like.

```
.text, #text, p{  
    color:rgb(146, 74, 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(146, 74, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 74, 170) }
```

Border

The CSS property to change the border of an element to Yxy 13.9108, 0.2873, 0.1854 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(146, 74, 170) }
```

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

```
.border{ border-color:rgb(146, 74, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 74, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 74, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 74, 170);  
box-shadow:4px 4px 4px 4px rgb(146, 74,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9108, 0.2873, 0.1854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 74, 170) }
```

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

```
.background{ background-color: rgb(146, 74,  
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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