

Converting Colors

$Y_{xy}(13.1931, 0.3688, 0.2606)$

Have a look what the booklet for
Yxy(13.1931, 0.3688, 0.2606)
contains.

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Color

Yxy(13.1951, 0.3694, 0.2609)

Conversions

Conversions Part 1

Format	Color
Hex	974D76
RGB	151, 77, 118
RGB Percent	59%, 30%, 46%
CMY	0.4079, 0.6979, 0.5373
CMYK	0.00, 0.49, 0.22, 0.41
HSL	327°, 32%, 45%
HSV	327°, 49%, 59%
XYZ	18.6825, 13.1951, 18.6977
YIQ	103.8000, 30.9430, 28.4390

Conversions

Conversions Part 2

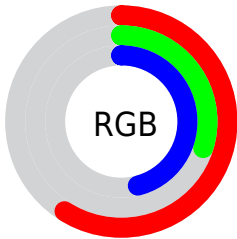
Format	Color
R_{YB}	151, 77, 118
Decimal	9915766
CIE Lab	43.06, 36.17, -9.35
CIE LCh	43, 37.353, 345.511
Yxy	13.1951, 0.3694, 0.2609
Android (android.graphics.Color)	4288105846 (0xFF974D76)
YUV	103.8000, 7.0006, 41.3944
Hunter-Lab	36.3251, 28.2364, -5.0910

Details

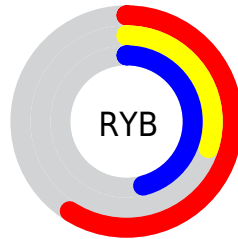
The Yxy color **13.1951, 0.3694, 0.2609** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **24.8305, 0.2803, 0.4109**, and the grayscale version is **13.7631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6060, 0.3561, 0.2765**, and **3.8227, 0.3949, 0.2311** is the 20% darker color. If you saturate the color by 10%, you get **11.1675, 0.3868, 0.2488**, and if you desaturate by 10%, it is **15.7258, 0.3540, 0.2745**.

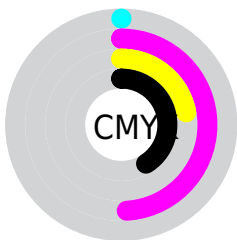
Distribution



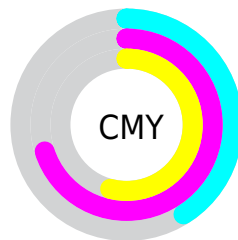
- Red (59%)
- Green (30%)
- Blue (46%)



- Red (59%)
- Yellow (30%)
- Blue (46%)



- Cyan (0%)
- Magenta (49%)
- Yellow (22%)
- Black (41%)





- Cyan (41%)
- Magenta (70%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1951, 0.3694, 0.2609 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 13.1951, 0.3694, 0.2609 by changing the saturation by 10% instead.


 13.1951, 0.3694,
0.2609


 13.1951, 0.3694,
0.2609


212.1643, 0.3362,
0.3001


 7.5630, 0.3799,
0.2489


 31.6538, 0.3559,
0.2766


 3.8166, 0.3952,
0.2319

 45.2493, 0.3512,
0.2821


 1.5715, 0.4192,
0.2060

 62.2680, 0.3475,
0.2865

 0.3383, 0.4805,
0.1291

 83.0944, 0.3444,
0.2901

 0.0000, 1.0000,
0.0000

 108.1128, 0.3419,
0.2932

 0.0000, 0.0000,
0.0000

137.7077, 0.3397,

0.2959

172.2634, 0.3378,
0.2981

■ 13.1951, 0.3694,
0.2609

■ 13.1951, 0.3694,
0.2609

■ 11.1675, 0.3868,
0.2488

■ 15.7258, 0.3540,
0.2745

■ 9.6064, 0.4060,
0.2394

■ 18.7891, 0.3408,
0.2888

■ 8.4734, 0.4264,
0.2337


■ 22.4144, 0.3295,
0.3032

■ 7.7228, 0.4473,
0.2327

■ 26.6283, 0.3199,
0.3171


■ 7.2554, 0.4681,
0.2360

■ 31.4558, 0.3120,
0.3303

 7.2114, 0.4702,
0.2364

 36.9204, 0.3053,
0.3427

 43.0445, 0.2998,
0.3542

 49.8492, 0.2952,
0.3648

 57.3547, 0.2914,
0.3745

Harmonies

Analogous

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



13.1951, 0.2883, 0.2250



13.1951, 0.3694, 0.2609



13.1951, 0.4400, 0.3113

Triad

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



13.1951, 0.3694, 0.2609



13.1951, 0.3944, 0.4679



13.1951, 0.1772, 0.2582

Complementary

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



13.1951, 0.3694, 0.2609



24.8305, 0.2803, 0.4109

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.



13.1951, 0.1977, 0.3286



13.1951, 0.3694, 0.2609



13.1951, 0.3205, 0.4698

Square

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



13.1951, 0.3694, 0.2609



13.1951, 0.4505, 0.4254



13.1951, 0.2484, 0.4139



13.1951, 0.1863, 0.2193

Rectangle

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



13.1951, 0.3694, 0.2609



13.1951, 0.4656, 0.3492



13.1951, 0.2484, 0.4139



13.1951, 0.1806, 0.2783

Sweetspot

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



13.1957, 0.3694, 0.2609



42.8104, 0.3258, 0.3084



10.8002, 0.2602, 0.1931



9.4082, 0.3277, 0.3056



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



13.1957, 0.3694, 0.2609



19.6284, 0.3890, 0.2475



12.4965, 0.4351, 0.3210



6.2771, 0.3202, 0.3167



6.1428, 0.4691, 0.2358



0.0992, 0.3930, 0.1938

Inverse Universe

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



13.1957, 0.3694, 0.2609



19.6284, 0.3890, 0.2475



25.7812, 0.2533, 0.3380



6.2771, 0.3202, 0.3167



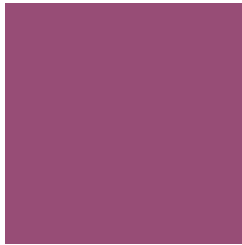
6.1428, 0.4691, 0.2358



0.0992, 0.3930, 0.1938

Previews

White Background



This preview shows how the Yxy color 13.1951, 0.3694, 0.2609 looks on a white background.

Color Contrast Check

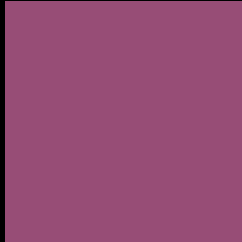
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1951, 0.3694, 0.2609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

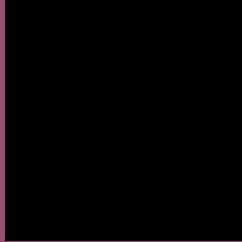
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1951, 0.3694, 0.2609

Background



This preview shows how black text looks on a background with the Yxy color 13.1951, 0.3694, 0.2609.



This preview shows how white text looks on a background with the Yxy color 13.1951, 0.3694, 0.2609.

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

13.1951, 0.3694, 0.2609

Protanopia

13.3838, 0.2618, 0.2588

Deuteranopia

13.4550, 0.3041, 0.2996



Tritanopia

13.2037, 0.4132, 0.3188

Trichromacy



Original Color

13.1951, 0.3694, 0.2609

Protanomaly

12.8167, 0.2945, 0.2563

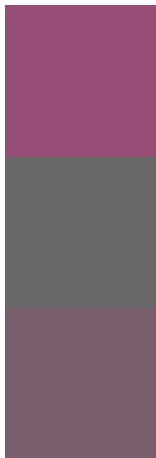
Deuteranomaly

13.1031, 0.3270, 0.2839

Tritanomaly

13.1945, 0.3963, 0.2965

Monochromacy



Original Color

13.1951, 0.3694, 0.2609

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.1745, 0.3324, 0.2990

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1951, 0.3694, 0.2609 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(151, 77, 118)` looks like.

```
.text, #text, p{  
    color:rgb(151, 77, 118)  
}
```

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(151, 77, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 77, 118) }
```

Border

The CSS property to change the border of an element to Yxy 13.1951, 0.3694, 0.2609 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(151, 77, 118) }
```

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

```
.border{ border-color:rgb(151, 77, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 77, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 77, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 77, 118);  
box-shadow:4px 4px 4px 4px rgb(151, 77,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1951, 0.3694, 0.2609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 77, 118) }
```

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

```
.background{ background-color: rgb(151, 77,  
118) }
```

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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