

Converting Colors

$Y_{xy}(13.1551, 0.3446, 0.2325)$

Have a look what the booklet for
Yxy(13.1551, 0.3446, 0.2325)
contains.

Yxy(13.1981, 0.3436, 0.2324)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.1981, 0.3436, 0.2324)

Conversions

Conversions Part 1

Format	Color
Hex	974A86
RGB	151, 74, 134
RGB Percent	59%, 29%, 53%
CMY	0.4079, 0.7098, 0.4744
CMYK	0.00, 0.51, 0.11, 0.41
HSL	313°, 34%, 44%
HSV	313°, 51%, 59%
XYZ	19.5132, 13.1981, 24.0791
YIQ	103.8630, 26.6320, 34.9840

Conversions

Conversions Part 2

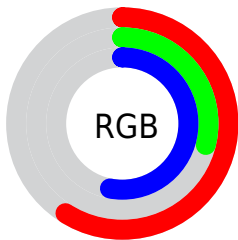
Format	Color
R_{YB}	151, 74, 134
Decimal	9915014
CIE _{Lab}	43.06, 40.39, -19.12
CIE _{LCh}	43, 44.688, 334.672
Yxy	13.1981, 0.3436, 0.2324
Android (android.graphics.Color)	4288105094 (0xFF974A86)
YUV	103.8630, 14.8575, 41.3391
Hunter-Lab	36.3292, 32.3002, -13.8672

Details

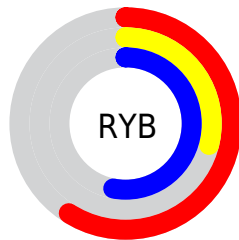
The Yxy color **13.1981, 0.3436, 0.2324** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.3399, 0.2928, 0.4518**, and the grayscale version is **13.7601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7750, 0.3377, 0.2545**, and **3.8106, 0.3552, 0.1955** is the 20% darker color. If you saturate the color by 10%, you get **11.3272, 0.3517, 0.2166**, and if you desaturate by 10%, it is **15.5571, 0.3361, 0.2504**.

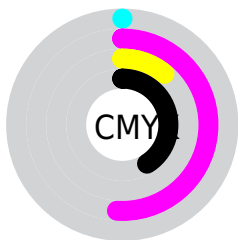
Distribution



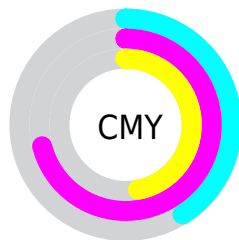
- Red (59%)
- Green (29%)
- Blue (53%)



- Red (59%)
- Yellow (29%)
- Blue (53%)



- Cyan (0%)
- Magenta (51%)
- Yellow (11%)
- Black (41%)





- Cyan (41%)
- Magenta (71%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1981, 0.3436, 0.2324 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 13.1981, 0.3436, 0.2324 by changing the saturation by 10% instead.


 13.1981, 0.3436,
0.2324


 13.1981, 0.3436,
0.2324


212.1834, 0.3269,
0.2864


 7.5651, 0.3482,
0.2168


 31.6592, 0.3372,
0.2535


 3.8180, 0.3541,
0.1955


 45.2561, 0.3349,
0.2610


 1.5723, 0.3622,
0.1648

 62.2765, 0.3330,
0.2671

 0.3388, 0.3834,
0.0928

 83.1046, 0.3314,
0.2723

 0.0000, 0.3384,
0.0000

 108.1250, 0.3300,
0.2766

 0.0000, 0.0000,
0.0000

137.7220, 0.3288,

0.2803

172.2800, 0.3278,
0.2836

■ 13.1981, 0.3436,
0.2324

■ 13.1981, 0.3436,
0.2324

■ 11.3272, 0.3517,
0.2166

■ 15.5571, 0.3361,
0.2504

■ 9.9072, 0.3602,
0.2038

■ 18.4340, 0.3292,
0.2695

■ 8.8988, 0.3688,
0.1950

■ 21.8585, 0.3231,
0.2891

■ 8.2550, 0.3773,
0.1905

■ 25.8575, 0.3178,
0.3085

■ 7.8788, 0.3848,
0.1893

■ 30.4561, 0.3131,
0.3272

■ 35.6778, 0.3092,
0.3450

■ 41.5452, 0.3058,
0.3616

■ 48.0793, 0.3030,
0.3771

■ 55.3004, 0.3006,
0.3913

Harmonies

Analogous

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



13.1981, 0.2525, 0.1996



13.1981, 0.3436, 0.2324



13.1981, 0.4383, 0.2843

Triad

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



13.1981, 0.3436, 0.2324



13.1981, 0.4326, 0.4752



13.1981, 0.1600, 0.2688

Complementary

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



13.1981, 0.3436, 0.2324



24.3399, 0.2928, 0.4518

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.



13.1981, 0.1946, 0.3645



13.1981, 0.3436, 0.2324



13.1981, 0.3506, 0.5057

Square

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



13.1981, 0.3436, 0.2324



13.1981, 0.4880, 0.4132



13.1981, 0.2633, 0.4652



13.1981, 0.1594, 0.2119

Rectangle

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



13.1981, 0.3436, 0.2324



13.1981, 0.4818, 0.3252



13.1981, 0.2633, 0.4652



13.1981, 0.1676, 0.2969

Sweetspot

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



13.1987, 0.3436, 0.2324



43.0941, 0.3200, 0.3002



9.3414, 0.2365, 0.1793



9.4803, 0.3210, 0.2964



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.



13.1987, 0.3436, 0.2324



19.9317, 0.3528, 0.2148



12.3183, 0.4110, 0.2925



6.3003, 0.3169, 0.3118



6.7085, 0.3843, 0.1891



0.1055, 0.3516, 0.1710

Inverse Universe

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



13.1987, 0.3436, 0.2324



19.9317, 0.3528, 0.2148



25.1746, 0.2635, 0.3714



6.3003, 0.3169, 0.3118



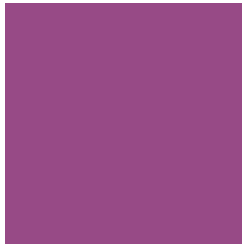
6.7085, 0.3843, 0.1891



0.1055, 0.3516, 0.1710

Previews

White Background



This preview shows how the Yxy color 13.1981, 0.3436, 0.2324 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 13.1981, 0.3436, 0.2324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

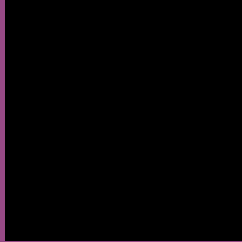
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.1981, 0.3436, 0.2324

Background



This preview shows how black text looks on a background with the Yxy color 13.1981, 0.3436, 0.2324.

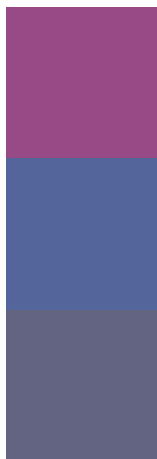


This preview shows how white text looks on a background with the Yxy color 13.1981, 0.3436, 0.2324.

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

13.1981, 0.3436, 0.2324

Protanopia

13.5129, 0.2336, 0.2233

Deuteranopia

13.3227, 0.2729, 0.2669



Tritanopia

13.1898, 0.4076, 0.3187

Trichromacy



Original Color

13.1981, 0.3436, 0.2324

Protanomaly

12.7769, 0.2654, 0.2232

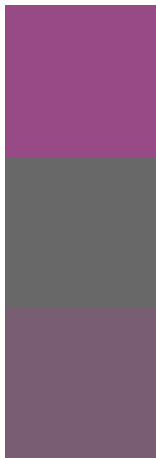
Deuteranomaly

12.9028, 0.2961, 0.2518

Tritanomaly

13.0738, 0.3845, 0.2843

Monochromacy



Original Color

13.1981, 0.3436, 0.2324

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.1315, 0.3238, 0.2855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1981, 0.3436, 0.2324 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, 74, 134)` looks like.

```
.text, #text, p{  
    color:rgb(151, 74, 134)  
}
```

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, 74, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 74, 134) }
```

Border

The CSS property to change the border of an element to Yxy 13.1981, 0.3436, 0.2324 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, 74, 134) }
```

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

```
.border{ border-color:rgb(151, 74, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 74, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 74, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 74, 134);  
box-shadow:4px 4px 4px 4px rgb(151, 74,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1981, 0.3436, 0.2324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 74, 134) }
```

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

```
.background{ background-color: rgb(151, 74,  
134) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor