

Converting Colors

$Yxy(24.4526, 0.2974, 0.3071)$

Have a look what the booklet for
Yxy(24.4526, 0.2974, 0.3071)
contains.

Yxy(24.4526, 0.2974, 0.3071)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.4526, 0.2974, 0.3071)

Conversions

Conversions Part 1

Format	Color
Hex	858794
RGB	133, 135, 148
RGB Percent	52%, 53%, 58%
CMY	0.4785, 0.4706, 0.4196
CMYK	0.10, 0.09, 0.00, 0.42
HSL	232°, 7%, 55%
HSV	232°, 10%, 58%
XYZ	23.6802, 24.4526, 31.4914
YIQ	135.8840, -5.3650, 3.6190

Conversions

Conversions Part 2

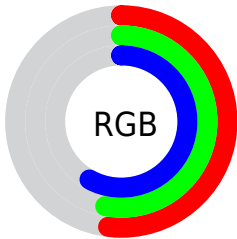
Format	Color
R_{YB}	133, 135, 148
Decimal	8750996
CIE _{Lab}	56.54, 1.96, -7.20
CIE _{LCh}	57, 7.459, 285.198
Yxy	24.4526, 0.2974, 0.3071
Android (android.graphics.Color)	4286941076 (0xFF858794)
YUV	135.8840, 5.9732, -2.5293
Hunter-Lab	49.4496, -1.0573, -3.1434

Details

The Yxy color **24.4526, 0.2974, 0.3071** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **28.5414, 0.3277, 0.3500**, and the grayscale version is **24.5533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6698, 0.3006, 0.3115**, and **9.1991, 0.2915, 0.2988** is the 20% darker color. If you saturate the color by 10%, you get **19.9717, 0.2807, 0.2828**, and if you desaturate by 10%, it is **29.5351, 0.3125, 0.3287**.

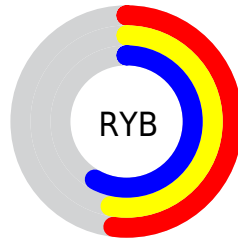
Distribution



Red (52%)

Green (53%)

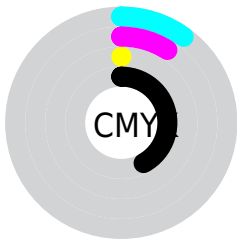
Blue (58%)



Red (52%)

Yellow (53%)

Blue (58%)

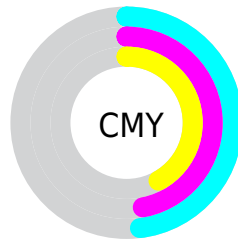


Cyan (10%)

Magenta (9%)

Yellow (0%)

Black (42%)



Cyan (48%)

Magenta (47%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.4526, 0.2974, 0.3071 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 24.4526, 0.2974, 0.3071 by changing the saturation by 10% instead.

■ 24.4526, 0.2974,
0.3071

■ 24.4526, 0.2974,
0.3071

■ 275.1008, 0.3059,
0.3191

■ 15.6697, 0.2950,
0.3037

■ 50.7678, 0.3007,
0.3118

■ 9.2907, 0.2916,
0.2990

■ 69.0688, 0.3019,
0.3134

■ 4.9313, 0.2866,
0.2921

■ 91.3114, 0.3028,
0.3148

■ 2.2070, 0.2787,
0.2813

■ 117.8799, 0.3037,
0.3160

■ 0.7238, 0.2638,
0.2595

■ 149.1587, 0.3043,
0.3169

■ 0.0000, 0.0000,
0.0000

185.5321, 0.3049,

0.3178

227.3847, 0.3054,
0.3185

■ 24.4526, 0.2974,
0.3071

■ 24.4526, 0.2974,
0.3071

■ 19.9717, 0.2807,
0.2828

■ 29.5351, 0.3125,
0.3287

■ 16.0670, 0.2626,
0.2558

■ 35.2372, 0.3260,
0.3476

■ 12.7160, 0.2434,
0.2265

■ 41.5799, 0.3380,
0.3642

■ 9.8935, 0.2237,
0.1958

■ 48.5824, 0.3485,
0.3785

■ 7.5720, 0.2045,
0.1648

■ 56.2629, 0.3578,
0.3909

■ 5.7221, 0.1869,
0.1351

■ 64.6392, 0.3660,
0.4016

■ 4.3106, 0.1720,
0.1088

■ 73.7282, 0.3732,
0.4109

■ 3.3004, 0.1609,
0.0875

■ 83.5462, 0.3796,
0.4190

■ 2.6373, 0.1534,
0.0723

■ 91.9250, 0.3773,
0.4290

Harmonies

Analogous

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



24.4526, 0.2897, 0.3104



24.4526, 0.2974, 0.3071



24.4526, 0.3093, 0.3095

Triad

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



24.4526, 0.2974, 0.3071



24.4526, 0.3381, 0.3383



24.4526, 0.3029, 0.3418

Complementary

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



24.4526, 0.2974, 0.3071



28.5414, 0.3277, 0.3500

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.



24.4526, 0.3157, 0.3496



24.4526, 0.2974, 0.3071



24.4526, 0.3362, 0.3473

Square

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



24.4526, 0.2974, 0.3071



24.4526, 0.3330, 0.3272



24.4526, 0.3279, 0.3516



24.4526, 0.2928, 0.3304

Rectangle

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



24.4526, 0.2974, 0.3071



24.4526, 0.3181, 0.3139



24.4526, 0.3279, 0.3516



24.4526, 0.3070, 0.3449

Sweetspot

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



24.4536, 0.2974, 0.3071



49.3893, 0.3083, 0.3227



28.2348, 0.2996, 0.3327



11.1146, 0.3071, 0.3211



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



24.4536, 0.2974, 0.3071



41.4057, 0.2940, 0.3023



24.3322, 0.3031, 0.3041



5.7517, 0.2989, 0.3093



2.2776, 0.1536, 0.0730



0.0522, 0.1677, 0.1237

Inverse Universe

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



24.8161, 0.3278, 0.3257



42.1803, 0.3313, 0.3250



28.6923, 0.3217, 0.3536



5.8274, 0.3262, 0.3260



5.4233, 0.6183, 0.3180



0.0688, 0.5415, 0.2757

Previews

White Background



This preview shows how the Yxy color 24.4526, 0.2974, 0.3071 looks on a white background.

Color Contrast Check

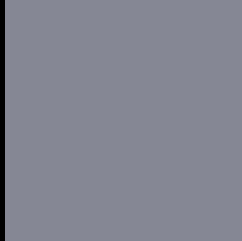
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 24.4526, 0.2974, 0.3071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

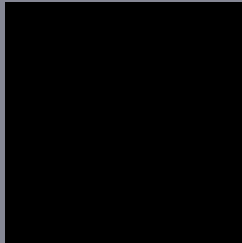
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

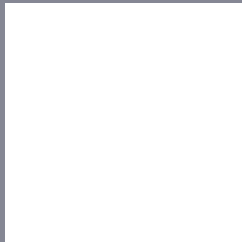
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.4526, 0.2974, 0.3071

Background



This preview shows how black text looks on a background with the Yxy color 24.4526, 0.2974, 0.3071.



This preview shows how white text looks on a background with the Yxy color 24.4526, 0.2974, 0.3071.

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

24.4526, 0.2974, 0.3071

Protanopia

24.5344, 0.2985, 0.3072

Deuteranopia

24.5121, 0.3073, 0.3013



Tritanopia

24.3898, 0.2994, 0.3104

Trichromacy



Original Color

24.4526, 0.2974, 0.3071

Protanomaly

24.5344, 0.2985, 0.3072

Deuteranomaly

24.4340, 0.3029, 0.3026

Tritanomaly

24.4211, 0.2984, 0.3087

Monochromacy



Original Color

24.4526, 0.2974, 0.3071

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.6527, 0.3075, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4526, 0.2974, 0.3071 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(133, 135, 148)` looks like.

```
.text, #text, p{  
    color:rgb(133, 135, 148)  
}
```

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(133, 135, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 135, 148) }
```

Border

The CSS property to change the border of an element to Yxy 24.4526, 0.2974, 0.3071 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(133, 135, 148) }
```

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

```
.border{ border-color:rgb(133, 135, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 135, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 135, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 135, 148);  
box-shadow:4px 4px 4px 4px rgb(133, 135,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4526, 0.2974, 0.3071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 135, 148) }
```

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

```
.background{ background-color: rgb(133,  
135, 148) }
```

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