

Converting Colors

$Y_{xy}(21.3938, 0.3301, 0.3136)$

Have a look what the booklet for
Yxy(21.3938, 0.3301, 0.3136)
contains.

Yxy(21.4871, 0.3294, 0.3138)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.4871, 0.3294, 0.3138)

Conversions

Conversions Part 1

Format	Color
Hex	907A83
RGB	144, 122, 131
RGB Percent	56%, 48%, 51%
CMY	0.4354, 0.5215, 0.4863
CMYK	0.00, 0.15, 0.09, 0.44
HSL	335°, 9%, 52%
HSV	335°, 15%, 56%
XYZ	22.5553, 21.4871, 24.4315
YIQ	129.6040, 10.2230, 7.4630

Conversions

Conversions Part 2

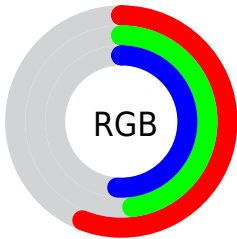
Format	Color
R_{YB}	144, 122, 131
Decimal	9468547
CIE _{Lab}	53.48, 10.08, -1.74
CIE _{LCh}	53, 10.230, 350.194
Yxy	21.4871, 0.3294, 0.3138
Android (android.graphics.Color)	4287658627 (0xFF907A83)
YUV	129.6040, 0.6882, 12.6253
Hunter-Lab	46.3542, 5.7358, 1.1985

Details

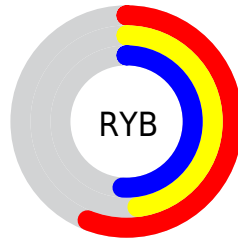
The Yxy color $21.4871, 0.3294, 0.3138$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $25.8280, 0.2986, 0.3447$, and the grayscale version is $22.1709, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.7386, 0.3258, 0.3165$, and $7.7014, 0.3348, 0.3063$ is the 20% darker color. If you saturate the color by 10%, you get $17.9887, 0.3433, 0.3032$, and if you desaturate by 10%, it is $25.5303, 0.3179, 0.3239$.

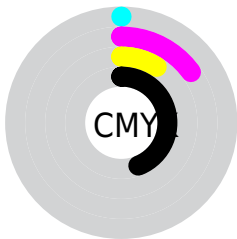
Distribution



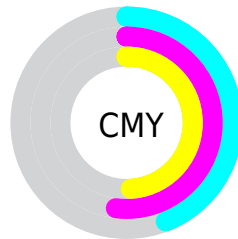
- Red (56%)
- Green (48%)
- Blue (51%)



- Red (56%)
- Yellow (48%)
- Blue (51%)



- Cyan (0%)
- Magenta (15%)
- Yellow (9%)
- Black (44%)




- Cyan (44%)
- Magenta (52%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4871, 0.3294, 0.3138 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 21.4871, 0.3294, 0.3138 by changing the saturation by 10% instead.


 21.4871, 0.3294,
0.3138


 21.4871, 0.3294,
0.3138


259.8559, 0.3200,
0.3223


 13.4805, 0.3322,
0.3113


 45.8968, 0.3257,
0.3171

 7.7603, 0.3361,
0.3078


 63.0687, 0.3244,
0.3183

 3.9419, 0.3419,
0.3026

 84.0645, 0.3233,
0.3193

 1.6411, 0.3515,
0.2941

109.2687, 0.3225,
0.3201

 0.3851, 0.3979,
0.2503

139.0655, 0.3217,
0.3208

 0.0000, 0.0000,
0.0000

173.8393, 0.3211,

0.3214

213.9747, 0.3205,
0.3219

■ 21.4871, 0.3294,
0.3138

■ 21.4871, 0.3294,
0.3138

■ 17.9887, 0.3433,
0.3032

■ 25.5303, 0.3179,
0.3239

■ 15.0087, 0.3599,
0.2925

■ 30.1373, 0.3085,
0.3334

■ 12.5230, 0.3796,
0.2820

■ 35.3299, 0.3006,
0.3422

■ 10.5044, 0.4026,
0.2726

■ 41.1277, 0.2942,
0.3504

■ 8.9229, 0.4287,
0.2652

■ 47.5495, 0.2888,
0.3578

■ 7.7452, 0.4571,
0.2610

■ 54.6133, 0.2844,
0.3646

■ 6.9330, 0.4867,
0.2611

■ 62.3363, 0.2807,
0.3708

■ 6.4341, 0.5156,
0.2661

■ 70.7351, 0.2776,
0.3765

■ 6.2425, 0.5293,
0.2689

■ 79.8256, 0.2750,
0.3818

Harmonies

Analogous

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



21.4871, 0.3109, 0.3026



21.4871, 0.3294, 0.3138



21.4871, 0.3437, 0.3289

Triad

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



21.4871, 0.3294, 0.3138



21.4871, 0.3318, 0.3617



21.4871, 0.2774, 0.3118

Complementary

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



21.4871, 0.3294, 0.3138



25.8280, 0.2986, 0.3447

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.



21.4871, 0.2826, 0.3279



21.4871, 0.3294, 0.3138



21.4871, 0.3137, 0.3575

Square

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



21.4871, 0.3294, 0.3138



21.4871, 0.3450, 0.3567



21.4871, 0.2958, 0.3449



21.4871, 0.2812, 0.3011

Rectangle

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



21.4871, 0.3294, 0.3138



21.4871, 0.3486, 0.3395



21.4871, 0.2958, 0.3449



21.4871, 0.2781, 0.3168

Sweetspot

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



21.4881, 0.3294, 0.3138



45.1619, 0.3178, 0.3241



21.0713, 0.3036, 0.2914



10.2468, 0.3184, 0.3235



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



21.4881, 0.3294, 0.3138



35.8899, 0.3334, 0.3106



21.7086, 0.3397, 0.3322



5.4584, 0.3222, 0.3200



5.4421, 0.5279, 0.2682



0.0562, 0.4278, 0.2130

Inverse Universe

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



21.4881, 0.3294, 0.3138



35.8899, 0.3334, 0.3106



25.5420, 0.2902, 0.3258



5.4584, 0.3222, 0.3200



5.4421, 0.5279, 0.2682



0.0562, 0.4278, 0.2130

Previews

White Background



This preview shows how the Yxy color 21.4871, 0.3294, 0.3138 looks on a white background.

Color Contrast Check

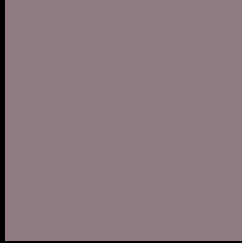
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4871, 0.3294, 0.3138 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 21.4871, 0.3294, 0.3138

Background



This preview shows how black text looks on a background with the Yxy color 21.4871, 0.3294, 0.3138.



This preview shows how white text looks on a background with the Yxy color 21.4871, 0.3294, 0.3138.

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

21.4871, 0.3294, 0.3138

Protanopia

21.4892, 0.3063, 0.3165

Deuteranopia

21.5430, 0.3230, 0.3170



Tritanopia

21.4871, 0.3294, 0.3138

Trichromacy



Original Color

21.4871, 0.3294, 0.3138

Protanomaly

21.4290, 0.3146, 0.3150

Deuteranomaly

21.4673, 0.3256, 0.3153

Tritanomaly

21.4871, 0.3294, 0.3138

Monochromacy



Original Color

21.4871, 0.3294, 0.3138

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.9413, 0.3189, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4871, 0.3294, 0.3138 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(144, 122, 131)` looks like.

```
.text, #text, p{  
    color:rgb(144, 122, 131)  
}
```

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(144, 122, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 122, 131) }
```

Border

The CSS property to change the border of an element to Yxy 21.4871, 0.3294, 0.3138 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(144, 122, 131) }
```

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

```
.border{ border-color:rgb(144, 122, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 122, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 122, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 122, 131);  
box-shadow:4px 4px 4px 4px rgb(144, 122,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4871, 0.3294, 0.3138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 122, 131) }
```

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

```
.background{ background-color: rgb(144,  
122, 131) }
```

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