

Converting Colors

$Y_{xy}(22.2715, 0.3271, 0.3059)$

Have a look what the booklet for
Yxy(22.2715, 0.3271, 0.3059)
contains.

Yxy(22.2680, 0.3271, 0.3059)	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(22.2680, 0.3271, 0.3059)

Conversions

Conversions Part 1

Format	Color
Hex	947B89
RGB	148, 123, 137
RGB Percent	58%, 48%, 54%
CMY	0.4196, 0.5176, 0.4627
CMYK	0.00, 0.17, 0.07, 0.42
HSL	326°, 10%, 53%
HSV	326°, 17%, 58%
XYZ	23.8113, 22.2680, 26.7158
YIQ	132.0710, 10.4060, 9.6540

Conversions

Conversions Part 2

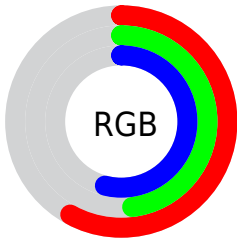
Format	Color
R_{YB}	148, 123, 137
Decimal	9730953
CIE _{Lab}	54.31, 12.14, -3.98
CIE _{LCh}	54, 12.775, 341.830
Yxy	22.2680, 0.3271, 0.3059
Android (android.graphics.Color)	4287921033 (0xFF947B89)
YUV	132.0710, 2.4300, 13.9697
Hunter-Lab	47.1890, 7.4892, -0.5344

Details

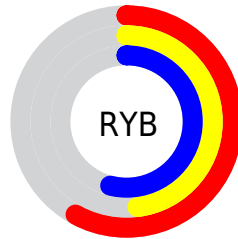
The Yxy color $22.2680, 0.3271, 0.3059$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $27.1104, 0.3005, 0.3533$, and the grayscale version is $23.0902, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.3249, 0.3240, 0.3118$, and $8.1271, 0.3329, 0.2973$ is the 20% darker color. If you saturate the color by 10%, you get $18.6893, 0.3378, 0.2915$, and if you desaturate by 10%, it is $26.4150, 0.3181, 0.3198$.

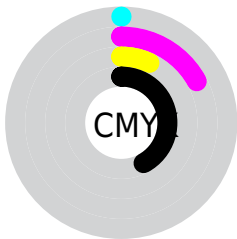
Distribution



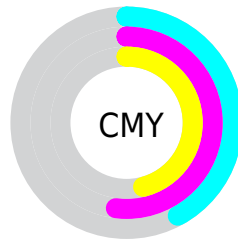
- Red (58%)
- Green (48%)
- Blue (54%)



- Red (58%)
- Yellow (48%)
- Blue (54%)



- Cyan (0%)
- Magenta (17%)
- Yellow (7%)
- Black (42%)





- Cyan (42%)
- Magenta (52%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2680, 0.3271, 0.3059 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 22.2680, 0.3271, 0.3059 by changing the saturation by 10% instead.


 22.2680, 0.3271,
0.3059


 22.2680, 0.3271,
0.3059


263.9427, 0.3191,
0.3187


 14.0540, 0.3294,
0.3022


 47.1885, 0.3240,
0.3109

 8.1582, 0.3326,
0.2972

 64.6638, 0.3229,
0.3126

 4.1963, 0.3373,
0.2898

 85.9950, 0.3220,
0.3141

 1.7840, 0.3448,
0.2779

111.5664, 0.3212,
0.3153

 0.4772, 0.3703,
0.2356

141.7625, 0.3206,
0.3163

 0.0000, 0.0000,
0.0000

176.9676, 0.3200,

0.3172

217.5662, 0.3196,
0.3180

■ 22.2680, 0.3271,
0.3059

■ 22.2680, 0.3271,
0.3059

■ 18.6893, 0.3378,
0.2915

■ 26.4150, 0.3181,
0.3198

■ 15.6510, 0.3504,
0.2770

■ 31.1509, 0.3105,
0.3330

■ 13.1271, 0.3651,
0.2630

■ 36.4987, 0.3042,
0.3454

■ 11.0883, 0.3817,
0.2504

■ 42.4794, 0.2990,
0.3568

■ 9.5024, 0.4002,
0.2401

■ 49.1131, 0.2946,
0.3673

■ 8.3333, 0.4200,
0.2334

■ 56.4188, 0.2910,
0.3770

■ 7.5392, 0.4404,
0.2312

■ 64.4149, 0.2880,
0.3859

■ 7.0514, 0.4607,
0.2337

■ 73.1189, 0.2855,
0.3940

■ 6.9197, 0.4672,
0.2347

■ 81.7798, 0.2833,
0.4002

Harmonies

Analogous

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



22.2680, 0.3039, 0.2942



22.2680, 0.3271, 0.3059



22.2680, 0.3469, 0.3233

Triad

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



22.2680, 0.3271, 0.3059



22.2680, 0.3415, 0.3688



22.2680, 0.2700, 0.3126

Complementary

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



22.2680, 0.3271, 0.3059



27.1104, 0.3005, 0.3533

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.



22.2680, 0.2793, 0.3335



22.2680, 0.3271, 0.3059



22.2680, 0.3203, 0.3670

Square

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



22.2680, 0.3271, 0.3059



22.2680, 0.3553, 0.3595



22.2680, 0.2975, 0.3539



22.2680, 0.2716, 0.2973

Rectangle

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



22.2680, 0.3271, 0.3059



22.2680, 0.3552, 0.3363



22.2680, 0.2975, 0.3539



22.2680, 0.2720, 0.3192

Sweetspot

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



22.2690, 0.3271, 0.3059



48.0268, 0.3166, 0.3222



21.3595, 0.2982, 0.2865



10.8472, 0.3171, 0.3214



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.



22.2690, 0.3271, 0.3059



36.9647, 0.3307, 0.3009



21.9346, 0.3418, 0.3263



5.8666, 0.3200, 0.3167



5.9164, 0.4660, 0.2341



0.0784, 0.3894, 0.1919

Inverse Universe

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



22.2690, 0.3271, 0.3059



36.9647, 0.3307, 0.3009



27.4753, 0.2895, 0.3318



5.8666, 0.3200, 0.3167



5.9164, 0.4660, 0.2341



0.0784, 0.3894, 0.1919

Previews

White Background



This preview shows how the Yxy color 22.2680, 0.3271, 0.3059 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 22.2680, 0.3271, 0.3059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

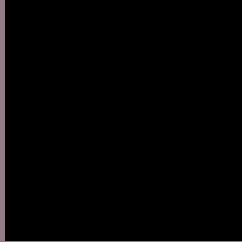
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2680, 0.3271, 0.3059

Background



This preview shows how black text looks on a background with the Yxy color 22.2680, 0.3271, 0.3059.



This preview shows how white text looks on a background with the Yxy color 22.2680, 0.3271, 0.3059.

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

22.2680, 0.3271, 0.3059

Protanopia

22.2907, 0.3000, 0.3081

Deuteranopia

22.2747, 0.3183, 0.3120



Tritanopia

22.3118, 0.3304, 0.3140

Trichromacy



Original Color

22.2680, 0.3271, 0.3059

Protanomaly

22.3064, 0.3091, 0.3068

Deuteranomaly

22.2844, 0.3220, 0.3105

Tritanomaly

22.3396, 0.3292, 0.3124

Monochromacy



Original Color

22.2680, 0.3271, 0.3059

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.8250, 0.3178, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2680, 0.3271, 0.3059 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(148, 123, 137)` looks like.

```
.text, #text, p{  
    color:rgb(148, 123, 137)  
}
```

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(148, 123, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 123, 137) }
```

Border

The CSS property to change the border of an element to Yxy 22.2680, 0.3271, 0.3059 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(148, 123, 137) }
```

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

```
.border{ border-color:rgb(148, 123, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 123, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 123, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 123, 137);  
box-shadow:4px 4px 4px 4px rgb(148, 123,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2680, 0.3271, 0.3059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 123, 137) }
```

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

```
.background{ background-color: rgb(148,  
123, 137) }
```

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