

Converting Colors

$Y_{xy}(23.5423, 0.3429, 0.3900)$

Have a look what the booklet for
Yxy(23.5423, 0.3429, 0.3900)
contains.

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Color

Yxy(23.3929, 0.3430, 0.3902)

Conversions

Conversions Part 1

Format	Color
Hex	838866
RGB	131, 136, 102
RGB Percent	51%, 53%, 40%
CMY	0.4862, 0.4667, 0.6001
CMYK	0.04, 0.00, 0.25, 0.47
HSL	69°, 14%, 47%
HSV	69°, 25%, 53%
XYZ	20.5632, 23.3929, 15.9949
YIQ	130.6290, 7.9340, -11.6340

Conversions

Conversions Part 2

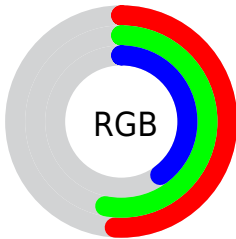
Format	Color
R_{YB}	102, 136, 107
Decimal	8620134
CIE _{Lab}	55.47, -7.92, 17.70
CIE _{LCh}	55, 19.394, 114.102
Yxy	23.3929, 0.3430, 0.3902
Android (android.graphics.Color)	4286810214 (0xFF838866)
YUV	130.6290, -14.1141, 0.3254
Hunter-Lab	48.3662, -8.7504, 14.2489

Details

The Yxy color **23.3929, 0.3430, 0.3902** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.3987, 0.2777, 0.2622**, and the grayscale version is **22.6075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8854, 0.3366, 0.3764**, and **8.6807, 0.3530, 0.4135** is the 20% darker color. If you saturate the color by 10%, you get **22.9883, 0.3548, 0.4154**, and if you desaturate by 10%, it is **23.8469, 0.3308, 0.3651**.

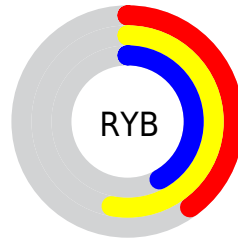
Distribution



Red (51%)

Green (53%)

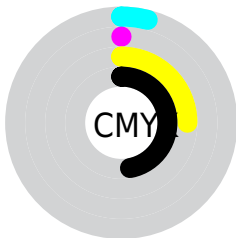
Blue (40%)



Red (40%)

Yellow (53%)

Blue (42%)

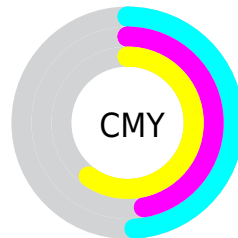


Cyan (4%)

Magenta (0%)

Yellow (25%)

Black (47%)



Cyan (49%)


Magenta (47%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3929, 0.3430, 0.3902 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 23.3929, 0.3430, 0.3902 by changing the saturation by 10% instead.


 23.3929, 0.3430,
0.3902


 23.3929, 0.3430,
0.3902


269.7366, 0.3265,
0.3556

 14.8839, 0.3475,
0.4005


 49.0377, 0.3367,
0.3765


 8.7379, 0.3535,
0.4148


 66.9422, 0.3344,
0.3717

 4.5706, 0.3617,
0.4360

 88.7474, 0.3326,
0.3678

 1.9976, 0.3765,
0.4744

 114.8376, 0.3310,
0.3645

 0.6061, 0.3871,
0.6129

145.5972, 0.3296,
0.3618

 0.0000, 0.0000,
0.0000

181.4107, 0.3285,

0.3594

222.6624, 0.3274,
0.3574

■ 23.3929, 0.3430,
0.3902

■ 23.3929, 0.3430,
0.3902

■ 22.9883, 0.3548,
0.4154

■ 23.8469, 0.3308,
0.3651

■ 22.6279, 0.3659,
0.4399

■ 24.3492, 0.3187,
0.3408

■ 22.3102, 0.3757,
0.4627

■ 24.9027, 0.3069,
0.3176

■ 22.0328, 0.3837,
0.4830

■ 25.5094, 0.2956,
0.2960

■ 21.7927, 0.3896,
0.4998

■ 26.1708, 0.2851,
0.2759

■ 21.5866, 0.3930,
0.5126

■ 26.8885, 0.2752,
0.2575

■ 21.4100, 0.3941,
0.5213

■ 27.6643, 0.2661,
0.2408

■ 21.3268, 0.3943,
0.5251

■ 28.4995, 0.2577,
0.2256

■ 29.3955, 0.2501,
0.2119

Harmonies

Analogous

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



23.3929, 0.3695, 0.3813



23.3929, 0.3430, 0.3902



23.3929, 0.3093, 0.3807

Triad

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



23.3929, 0.3430, 0.3902



23.3929, 0.2490, 0.2933



23.3929, 0.3474, 0.3046

Complementary

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



23.3929, 0.3430, 0.3902



14.3987, 0.2777, 0.2622

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.



23.3929, 0.3133, 0.2839



23.3929, 0.3430, 0.3902



23.3929, 0.2577, 0.2765

Square

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



23.3929, 0.3430, 0.3902



23.3929, 0.2560, 0.3217



23.3929, 0.2807, 0.2736



23.3929, 0.3726, 0.3316

Rectangle

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



23.3929, 0.3430, 0.3902



23.3929, 0.2874, 0.3647



23.3929, 0.2807, 0.2736



23.3929, 0.3365, 0.2968

Sweetspot

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



23.3939, 0.3430, 0.3902



42.6210, 0.3225, 0.3484



16.6069, 0.3609, 0.3376



9.8423, 0.3241, 0.3517



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



23.3939, 0.3430, 0.3902



40.8139, 0.3497, 0.4044



22.1751, 0.3235, 0.3942



5.8085, 0.3237, 0.3508



20.1879, 0.3944, 0.5250



0.1388, 0.4074, 0.5148

Inverse Universe

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



14.3987, 0.2777, 0.2622



22.1567, 0.2683, 0.2449



15.5251, 0.2989, 0.2662



4.9252, 0.3012, 0.3066



1.8252, 0.1575, 0.0641



0.0160, 0.1857, 0.0796

Previews

White Background



This preview shows how the Yxy color 23.3929, 0.3430, 0.3902 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 23.3929, 0.3430, 0.3902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

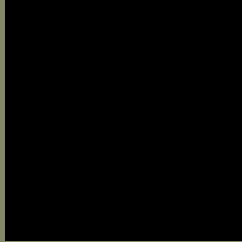
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

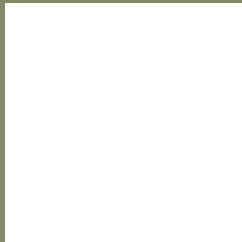
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.3929, 0.3430, 0.3902

Background



This preview shows how black text looks on a background with the Yxy color 23.3929, 0.3430, 0.3902.



This preview shows how white text looks on a background with the Yxy color 23.3929, 0.3430, 0.3902.

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

23.3929, 0.3430, 0.3902

Protanopia

23.4459, 0.3597, 0.3861

Deuteranopia

23.1468, 0.3743, 0.3670



Tritanopia

23.3899, 0.3078, 0.3120

Trichromacy



Original Color

23.3929, 0.3430, 0.3902

Protanomaly

23.3931, 0.3533, 0.3870

Deuteranomaly

23.0555, 0.3627, 0.3752

Tritanomaly

23.3757, 0.3202, 0.3395

Monochromacy



Original Color

23.3929, 0.3430, 0.3902

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.9564, 0.3243, 0.3522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3929, 0.3430, 0.3902 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(131, 136, 102)` looks like.

```
.text, #text, p{  
    color:rgb(131, 136, 102)  
}
```

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(131, 136, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 136, 102) }
```

Border

The CSS property to change the border of an element to Yxy 23.3929, 0.3430, 0.3902 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(131, 136, 102) }
```

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

```
.border{ border-color:rgb(131, 136, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 136, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 136, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 136, 102);  
box-shadow:4px 4px 4px 4px rgb(131, 136,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3929, 0.3430, 0.3902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 136, 102) }
```

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

```
.background{ background-color: rgb(131,  
136, 102) }
```

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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