

Converting Colors

$Y_{xy}(23.8772, 0.4070, 0.5145)$

Have a look what the booklet for
Yxy(23.8772, 0.4070, 0.5145)
contains.

Yxy(23.8772, 0.4070, 0.5145)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.8772, 0.4070, 0.5145)

Conversions

Conversions Part 1

Format	Color
Hex	838D01
RGB	131, 141, 1
RGB Percent	51%, 55%, 0%
CMY	0.4864, 0.4470, 0.9959
CMYK	0.07, 0.00, 0.99, 0.45
HSL	64°, 99%, 28%
HSV	64°, 99%, 55%
XYZ	18.8883, 23.8772, 3.6431
YIQ	122.0500, 38.9800, -45.6600

Conversions

Conversions Part 2

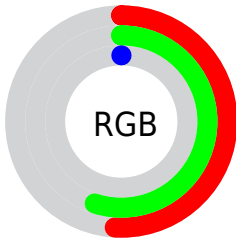
Format	Color
R_{YB}	1, 141, 11
Decimal	8621313
CIE Lab	55.96, -18.41, 59.63
CIE LCh	56, 62.409, 107.160
Yxy	23.8772, 0.4070, 0.5145
Android (android.graphics.Color)	4286811393 (0xFF838D01)
YUV	122.0500, -59.6776, 7.8492
Hunter-Lab	48.8643, -16.5141, 29.7847

Details

The Yxy color **23.8772, 0.4070, 0.5145** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.0178, 0.1535, 0.0625**, and the grayscale version is **19.6700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5906, 0.3943, 0.4782**, and **9.0600, 0.3943, 0.5252** is the 20% darker color. If you saturate the color by 10%, you get **23.8700, 0.4071, 0.5149**, and if you desaturate by 10%, it is **23.9920, 0.4052, 0.5083**.

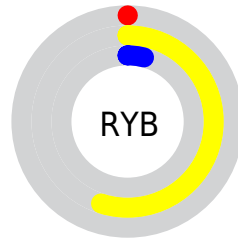
Distribution



Red (51%)

Green (55%)

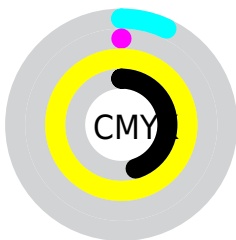
Blue (0%)



Red (0%)

Yellow (55%)

Blue (4%)

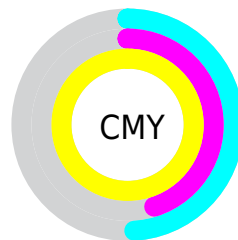


Cyan (7%)

Magenta (0%)

Yellow (99%)

Black (45%)



Cyan (49%)


Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8772, 0.4070, 0.5145 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 23.8772, 0.4070, 0.5145 by changing the saturation by 10% instead.


 23.8772, 0.4070,
0.5145


 23.8772, 0.4070,
0.5145


 272.1991, 0.3645,
0.4155


 15.2426, 0.4122,
0.5373


 49.8297, 0.3946,
0.4788


 8.9898, 0.4191,
0.5704

 67.9164, 0.3888,
0.4651

 4.7345, 0.4078,
0.5922

 89.9226, 0.3835,
0.4535

 2.0924, 0.3820,
0.6180

 116.2326, 0.3788,
0.4436

 0.6603, 0.2124,
0.7876

 147.2308, 0.3746,
0.4350

 0.0000, 0.0000,
0.0000


 183.3017, 0.3709,


0.4276


 224.8297, 0.3675,
0.4212


 23.8772, 0.4070,
0.5145


 23.8772, 0.4070,
0.5145


 23.8700, 0.4071,
0.5149

 23.9920, 0.4052,
0.5083

 24.1289, 0.4016,
0.4989

 24.2986, 0.3955,
0.4853

 24.5050, 0.3871,
0.4679

 24.7513, 0.3767,
0.4474

■ 25.0406, 0.3648,
0.4245

■ 25.3755, 0.3518,
0.4003

■ 25.7584, 0.3384,
0.3755

■ 26.1916, 0.3249,
0.3510

Harmonies

Analogous

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



23.8772, 0.4865, 0.4489



23.8772, 0.4070, 0.5145



23.8772, 0.3101, 0.5266

Triad

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



23.8772, 0.4070, 0.5145



23.8772, 0.1388, 0.2271



23.8772, 0.3945, 0.2425

Complementary

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



23.8772, 0.4070, 0.5145



2.0178, 0.1535, 0.0625

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.



23.8772, 0.2834, 0.1973



23.8772, 0.4070, 0.5145



23.8772, 0.1525, 0.1840

Square

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



23.8772, 0.4070, 0.5145



23.8772, 0.1590, 0.3175



23.8772, 0.1995, 0.1766



23.8772, 0.4906, 0.3046

Rectangle

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



23.8772, 0.4070, 0.5145



23.8772, 0.2468, 0.4805



23.8772, 0.1995, 0.1766



23.8772, 0.3564, 0.2251

Sweetspot

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



23.8783, 0.4070, 0.5145



45.3490, 0.3537, 0.4037



5.8912, 0.6317, 0.3352



10.0782, 0.3585, 0.4127



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



23.8783, 0.4070, 0.5145



42.7106, 0.4069, 0.5152



20.0691, 0.3298, 0.5756



6.2660, 0.3248, 0.3508



21.7649, 0.4072, 0.5149



0.2119, 0.4136, 0.5098

Inverse Universe

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



2.0178, 0.1535, 0.0625



3.5307, 0.1523, 0.0612



3.6673, 0.2187, 0.0983



5.2723, 0.3000, 0.3064



1.8160, 0.1532, 0.0617



0.0203, 0.1681, 0.0700

Previews

White Background



This preview shows how the Yxy color 23.8772, 0.4070, 0.5145 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 23.8772, 0.4070, 0.5145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

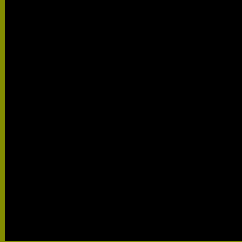
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8772, 0.4070, 0.5145

Background



This preview shows how black text looks on a background with the Yxy color 23.8772, 0.4070, 0.5145.



This preview shows how white text looks on a background with the Yxy color 23.8772, 0.4070, 0.5145.

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

23.8772, 0.4070, 0.5145

Protanopia

23.6295, 0.4402, 0.4887

Deuteranopia

23.6756, 0.4645, 0.4563



Tritanopia

23.8184, 0.3135, 0.3123

Trichromacy



Original Color

23.8772, 0.4070, 0.5145

Protanomaly

23.8206, 0.4279, 0.4985

Deuteranomaly

23.5056, 0.4442, 0.4778

Tritanomaly

23.3845, 0.3635, 0.4081

Monochromacy



Original Color

23.8772, 0.4070, 0.5145

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.6105, 0.3642, 0.4245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8772, 0.4070, 0.5145 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, 141, 1)` looks like.

```
.text, #text, p{  
    color:rgb(131, 141, 1)  
}
```

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, 141, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 141, 1) }
```

Border

The CSS property to change the border of an element to Yxy 23.8772, 0.4070, 0.5145 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, 141, 1) }
```

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

```
.border{ border-color:rgb(131, 141, 1) }
```

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

Here you see how a box with a 4 pixel rgb(131, 141, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 141, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 141, 1);  
box-shadow:4px 4px 4px 4px rgb(131, 141,  
1) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8772, 0.4070, 0.5145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 141, 1) }
```

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

```
.background{ background-color: rgb(131,  
141, 1) }
```

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