

Converting Colors

$Y_{xy}(22.9864, 0.3793, 0.4478)$

Have a look what the booklet for
Yxy(22.9864, 0.3793, 0.4478)
contains.

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Color

Yxy(23.0122, 0.3797, 0.4476)

Conversions

Conversions Part 1

Format	Color
Hex	858844
RGB	133, 136, 68
RGB Percent	52%, 53%, 27%
CMY	0.4784, 0.4667, 0.7334
CMYK	0.02, 0.00, 0.50, 0.47
HSL	63°, 33%, 40%
HSV	63°, 50%, 53%
XYZ	19.5213, 23.0122, 8.8789
YIQ	127.3510, 20.0400, -21.7840

Conversions

Conversions Part 2

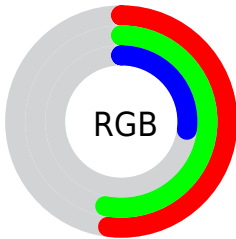
Format	Color
RYB	68, 136, 71
Decimal	8751172
CIELab	55.08, -11.40, 35.83
CIELCh	55, 37.600, 107.645
Yxy	23.0122, 0.3797, 0.4476
Android (android.graphics.Color)	4286941252 (0xFF858844)
YUV	127.3510, -29.2600, 4.9542
Hunter-Lab	47.9710, -11.3107, 22.6058

Details

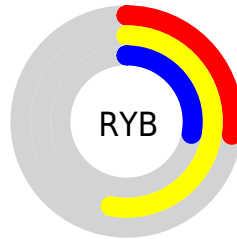
The Yxy color **23.0122, 0.3797, 0.4476** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **7.2486, 0.2245, 0.1787**, and the grayscale version is **21.4485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3946, 0.3675, 0.4213**, and **8.4554, 0.3973, 0.4906** is the 20% darker color. If you saturate the color by 10%, you get **22.8175, 0.3905, 0.4674**, and if you desaturate by 10%, it is **23.2478, 0.3674, 0.4253**.

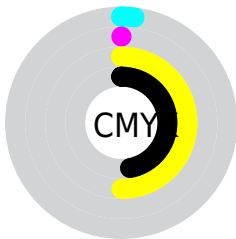
Distribution



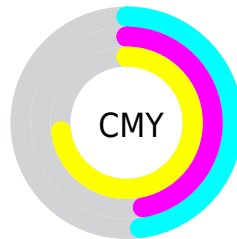
- Red (52%)
- Green (53%)
- Blue (27%)



- Red (27%)
- Yellow (53%)
- Blue (28%)



- Cyan (2%)
- Magenta (0%)
- Yellow (50%)
- Black (47%)





- Cyan (48%)
- Magenta (47%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.0122, 0.3797, 0.4476 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 23.0122, 0.3797, 0.4476 by changing the saturation by 10% instead.


 23.0122, 0.3797,
0.4476


 23.0122, 0.3797,
0.4476

267.7877, 0.3447,
0.3811


 14.6025, 0.3880,
0.4662


 48.4134, 0.3670,
0.4218

 8.5409, 0.3977,
0.4908


 66.1736, 0.3622,
0.4126


 4.4430, 0.4108,
0.5276


 87.8195, 0.3581,
0.4050

 1.9243, 0.4213,
0.5787

 113.7355, 0.3546,
0.3987

 0.5629, 0.3133,
0.6867

 144.3059, 0.3516,
0.3933

 0.0000, 0.0000,
0.0000

179.9151, 0.3490,

0.3886

220.9476, 0.3467,
0.3846

■ 23.0122, 0.3797,
0.4476

■ 23.0122, 0.3797,
0.4476

■ 22.8175, 0.3905,
0.4674

■ 23.2478, 0.3674,
0.4253

■ 22.6579, 0.3992,
0.4840

■ 23.5236, 0.3541,
0.4015

■ 22.5313, 0.4056,
0.4968

■ 23.8428, 0.3402,
0.3771

■ 22.4342, 0.4096,
0.5054

■ 24.2077, 0.3263,
0.3527

■ 22.3563, 0.4119,
0.5112

■ 24.6201, 0.3127,
0.3290

■ 25.0818, 0.2997,
0.3065

■ 25.5946, 0.2874,
0.2854

■ 26.1601, 0.2760,
0.2658

■ 26.7800, 0.2655,
0.2478

Harmonies

Analogous

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



23.0122, 0.4278, 0.4164



23.0122, 0.3797, 0.4476



23.0122, 0.3165, 0.4428

Triad

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



23.0122, 0.3797, 0.4476



23.0122, 0.1960, 0.2671



23.0122, 0.3655, 0.2738

Complementary

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



23.0122, 0.3797, 0.4476



7.2486, 0.2245, 0.1787

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.



23.0122, 0.2974, 0.2412



23.0122, 0.3797, 0.4476



23.0122, 0.2056, 0.2343

Square

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



23.0122, 0.3797, 0.4476



23.0122, 0.2128, 0.3251



23.0122, 0.2404, 0.2267



23.0122, 0.4222, 0.3188

Rectangle

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



23.0122, 0.3797, 0.4476



23.0122, 0.2745, 0.4145



23.0122, 0.2404, 0.2267



23.0122, 0.3428, 0.2612

Sweetspot

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



23.0133, 0.3797, 0.4476



42.3085, 0.3337, 0.3656



10.0633, 0.4443, 0.3336



9.7713, 0.3363, 0.3701



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.



23.0133, 0.3797, 0.4476



40.1708, 0.3917, 0.4698



20.7195, 0.3390, 0.4660



5.8339, 0.3252, 0.3507



21.1602, 0.4119, 0.5112



0.1422, 0.4159, 0.5080

Inverse Universe

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



7.2486, 0.2245, 0.1787



9.0573, 0.2019, 0.1413



8.8686, 0.2694, 0.1950



4.9021, 0.2997, 0.3065



1.7200, 0.1520, 0.0611



0.0126, 0.1613, 0.0662

Previews

White Background



This preview shows how the Yxy color 23.0122, 0.3797, 0.4476 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 23.0122, 0.3797, 0.4476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

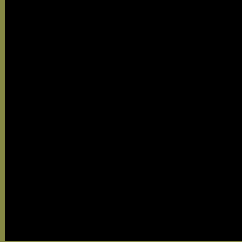
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0122, 0.3797, 0.4476

Background



This preview shows how black text looks on a background with the Yxy color 23.0122, 0.3797, 0.4476.



This preview shows how white text looks on a background with the Yxy color 23.0122, 0.3797, 0.4476.

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

23.0122, 0.3797, 0.4476

Protanopia

23.0188, 0.4001, 0.4361

Deuteranopia

22.9537, 0.4204, 0.4142



Tritanopia

22.9360, 0.3170, 0.3122

Trichromacy



Original Color

23.0122, 0.3797, 0.4476

Protanomaly

22.8430, 0.3930, 0.4404

Deuteranomaly

22.9868, 0.4053, 0.4263

Tritanomaly

22.8281, 0.3409, 0.3606

Monochromacy



Original Color

23.0122, 0.3797, 0.4476

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.6730, 0.3380, 0.3731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0122, 0.3797, 0.4476 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, 136, 68)` looks like.

```
.text, #text, p{  
    color:rgb(133, 136, 68)  
}
```

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, 136, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 136, 68) }
```

Border

The CSS property to change the border of an element to Yxy 23.0122, 0.3797, 0.4476 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, 136, 68) }
```

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

```
.border{ border-color:rgb(133, 136, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 136, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 136, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 136, 68);  
box-shadow:4px 4px 4px 4px rgb(133, 136,  
68) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.0122, 0.3797, 0.4476$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 136, 68) }
```

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

```
.background{ background-color: rgb(133,  
136, 68) }
```

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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