

Converting Colors

$Y_{xy}(23.8967, 0.3787, 0.3925)$

Have a look what the booklet for
Yxy(23.8967, 0.3787, 0.3925)
contains.

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Color

Yxy(23.8900, 0.3782, 0.3922)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 97845E |
| RGB | 151, 132, 94 |
| RGB Percent | 59%, 52%, 37% |
| CMY | 0.4078, 0.4824, 0.6314 |
| CMYK | 0.00, 0.13, 0.38, 0.41 |
| HSL | 40°, 23%, 48% |
| HSV | 40°, 38%, 59% |
| XYZ | 23.0372, 23.8900, 13.9856 |
| YIQ | 133.3490, 23.5220, -7.7900 |

Conversions

Conversions Part 2

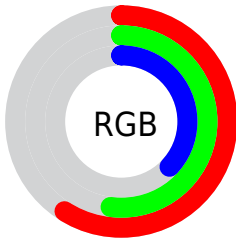
| Format | Color |
|-------------------------------------|--|
| RYB | 123, 151, 94 |
| Decimal | 9929822 |
| CIELab | 55.98, 1.50, 23.19 |
| CIELCh | 56, 23.237, 86.304 |
| Yxy | 23.8900, 0.3782, 0.3922 |
| Android (android.graphics.Color) | 4288119902 (0xFF97845E) |
| YUV | 133.3490, -19.3991, 15.4799 |
| Hunter-Lab | 48.8774, -1.4036, 17.2492 |

Details

The Yxy color $23.8900, 0.3782, 0.3922$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $16.4302, 0.2511, 0.2561$, and the grayscale version is $23.6563, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.8641, 0.3639, 0.3787$, and $9.0444, 0.4020, 0.4154$ is the 20% darker color. If you saturate the color by 10%, you get $22.3122, 0.3984, 0.4086$, and if you desaturate by 10%, it is $25.5891, 0.3589, 0.3751$.

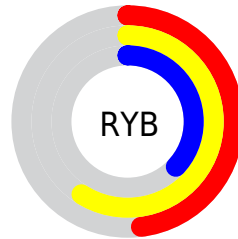
Distribution



Red (59%)

Green (52%)

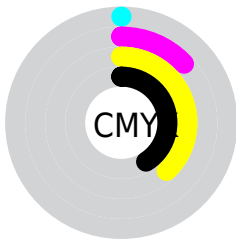
Blue (37%)



Red (48%)

Yellow (59%)

Blue (37%)

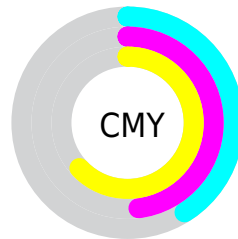


Cyan (0%)

Magenta (13%)

Yellow (38%)

Black (41%)



Cyan (41%)


Magenta (48%)

Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8900, 0.3782, 0.3922 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 23.8900, 0.3782, 0.3922 by changing the saturation by 10% instead.


 23.8900, 0.3782,
0.3922

 23.8900, 0.3782,
0.3922


272.2639, 0.3421,
0.3576


 15.2520, 0.3883,
0.4017


 49.8506, 0.3643,
0.3789

 8.9965, 0.4018,
0.4144


 67.9421, 0.3593,
0.3742

 4.7389, 0.4207,
0.4318

 89.9535, 0.3552,
0.3702

 2.0949, 0.4615,
0.4701

 116.2693, 0.3517,
0.3669

 0.6617, 0.5014,
0.4986

147.2738, 0.3488,
0.3641

 0.0000, 0.0000,
0.0000

183.3515, 0.3462,

0.3616

224.8867, 0.3440,
0.3595

■ 23.8900, 0.3782,
0.3922

■ 23.8900, 0.3782,
0.3922

■ 22.3122, 0.3984,
0.4086

■ 25.5891, 0.3589,
0.3751

■ 20.8483, 0.4191,
0.4234

■ 27.4099, 0.3409,
0.3580

■ 19.4951, 0.4393,
0.4356

■ 29.3572, 0.3244,
0.3414

■ 18.2477, 0.4582,
0.4441

■ 31.4341, 0.3095,
0.3255

■ 17.1008, 0.4748,
0.4482

■ 33.6439, 0.2961,
0.3107

■ 16.0450, 0.4888,
0.4478

■ 35.9897, 0.2841,
0.2968

■ 15.8179, 0.4919,
0.4476

■ 38.4745, 0.2734,
0.2841

■ 41.1009, 0.2638,
0.2723

■ 43.8717, 0.2554,
0.2616

Harmonies

Analogous

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



23.8900, 0.3935, 0.3664



23.8900, 0.3782, 0.3922



23.8900, 0.3455, 0.4022

Triad

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



23.8900, 0.3782, 0.3922



23.8900, 0.2446, 0.3170



23.8900, 0.3162, 0.2775

Complementary

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



23.8900, 0.3782, 0.3922



16.4302, 0.2511, 0.2561

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.



23.8900, 0.2771, 0.2644



23.8900, 0.3782, 0.3922



23.8900, 0.2379, 0.2843

Square

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



23.8900, 0.3782, 0.3922



23.8900, 0.2686, 0.3568



23.8900, 0.2493, 0.2662



23.8900, 0.3566, 0.3022

Rectangle

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



23.8900, 0.3782, 0.3922



23.8900, 0.3188, 0.3964



23.8900, 0.2493, 0.2662



23.8900, 0.3024, 0.2716

Sweetspot

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



23.8911, 0.3782, 0.3922



51.3251, 0.3300, 0.3471



15.8003, 0.3701, 0.2952



11.5674, 0.3320, 0.3491



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



23.8911, 0.3782, 0.3922



40.4547, 0.3946, 0.4056



28.7413, 0.3582, 0.4231



6.8754, 0.3268, 0.3438



13.5059, 0.4914, 0.4480



0.2681, 0.4537, 0.4779

Inverse Universe

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



16.4302, 0.2511, 0.2561



25.2154, 0.2369, 0.2370



13.0970, 0.2554, 0.2211



6.3464, 0.2988, 0.3138



3.9176, 0.1644, 0.1118



0.1208, 0.1868, 0.1925

Previews

White Background



This preview shows how the Yxy color 23.8900, 0.3782, 0.3922 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 23.8900, 0.3782, 0.3922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

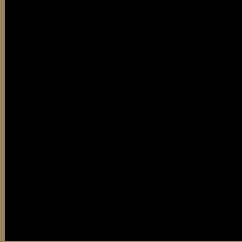
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8900, 0.3782, 0.3922

Background



This preview shows how black text looks on a background with the Yxy color 23.8900, 0.3782, 0.3922.



This preview shows how white text looks on a background with the Yxy color 23.8900, 0.3782, 0.3922.

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

23.8900, 0.3782, 0.3922

Protanopia

23.8962, 0.3685, 0.3954

Deuteranopia

24.0003, 0.3901, 0.3835



Tritanopia

24.0242, 0.3372, 0.3147

Trichromacy



Original Color

23.8900, 0.3782, 0.3922

Protanomaly

23.8043, 0.3715, 0.3933

Deuteranomaly

23.9596, 0.3857, 0.3858

Tritanomaly

23.9510, 0.3519, 0.3422

Monochromacy



Original Color

23.8900, 0.3782, 0.3922

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.6824, 0.3360, 0.3532

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8900, 0.3782, 0.3922 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(151, 132, 94)` looks like.

```
.text, #text, p{  
    color:rgb(151, 132, 94)  
}
```

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(151, 132, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 132, 94) }
```

Border

The CSS property to change the border of an element to Yxy 23.8900, 0.3782, 0.3922 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(151, 132, 94) }
```

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

```
.border{ border-color:rgb(151, 132, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 132, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 132, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 132, 94);  
box-shadow:4px 4px 4px 4px rgb(151, 132,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8900, 0.3782, 0.3922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 132, 94) }
```

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

```
.background{ background-color: rgb(151,  
132, 94) }
```

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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