

Converting Colors

$Y_{xy}(23.8462, 0.3953, 0.4519)$

Have a look what the booklet for
Yxy(23.8462, 0.3953, 0.4519)
contains.

Yxy(23.9899, 0.3953, 0.4523)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.9899, 0.3953, 0.4523)

Conversions

Conversions Part 1

Format	Color
Hex	8E893E
RGB	142, 137, 62
RGB Percent	56%, 54%, 24%
CMY	0.4433, 0.4627, 0.7568
CMYK	0.00, 0.03, 0.56, 0.44
HSL	56°, 39%, 40%
HSV	56°, 56%, 56%
XYZ	20.9666, 23.9899, 8.0833
YIQ	129.9450, 27.0550, -22.2650

Conversions

Conversions Part 2

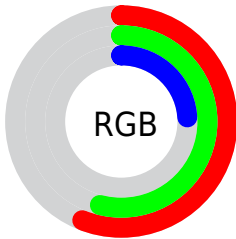
Format	Color
RYB	67, 142, 62
Decimal	9341246
CIELab	56.08, -8.57, 40.22
CIELCh	56, 41.118, 102.028
Yxy	23.9899, 0.3953, 0.4523
Android (android.graphics.Color)	4287531326 (0xFF8E893E)
YUV	129.9450, -33.4969, 10.5722
Hunter-Lab	48.9795, -9.3037, 24.5008

Details

The Yxy color **23.9899, 0.3953, 0.4523** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.9860, 0.2096, 0.1651**, and the grayscale version is **22.4156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8671, 0.3797, 0.4268**, and **8.9644, 0.4170, 0.4926** is the 20% darker color. If you saturate the color by 10%, you get **23.6058, 0.4071, 0.4687**, and if you desaturate by 10%, it is **24.4190, 0.3818, 0.4329**.

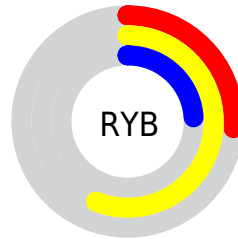
Distribution



Red (56%)

Green (54%)

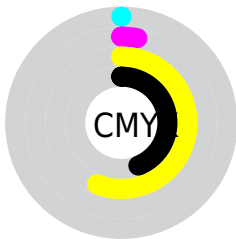
Blue (24%)



Red (26%)

Yellow (56%)

Blue (24%)

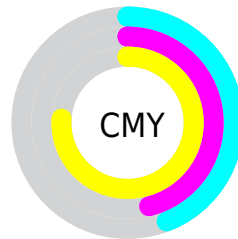


Cyan (0%)

Magenta (3%)

Yellow (56%)

Black (44%)



Cyan (44%)


Magenta (46%)

Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9899, 0.3953, 0.4523 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 23.9899, 0.3953, 0.4523 by changing the saturation by 10% instead.


 23.9899, 0.3953,
0.4523


 23.9899, 0.3953,
0.4523


272.7694, 0.3524,
0.3848


 15.3261, 0.4053,
0.4702


 50.0137, 0.3799,
0.4267


 9.0486, 0.4168,
0.4929


 68.1426, 0.3740,
0.4174

 4.7729, 0.4346,
0.5287

 90.1952, 0.3690,
0.4096

 2.1146, 0.4396,
0.5604

 116.5561, 0.3647,
0.4030

 0.6728, 0.3901,
0.6099

 147.6095, 0.3610,
0.3974

 0.0000, 0.0000,
0.0000

 183.7400, 0.3577,

0.3926

225.3318, 0.3549,
0.3884

■ 23.9899, 0.3953,
0.4523

■ 23.9899, 0.3953,
0.4523

■ 23.6058, 0.4071,
0.4687

■ 24.4190, 0.3818,
0.4329

■ 23.2601, 0.4168,
0.4815

■ 24.8926, 0.3671,
0.4114

■ 22.9502, 0.4240,
0.4902

■ 25.4145, 0.3519,
0.3888

■ 22.6701, 0.4287,
0.4950

■ 25.9872, 0.3367,
0.3657

■ 22.5699, 0.4303,
0.4965

■ 26.6128, 0.3218,
0.3430

■ 27.2936, 0.3076,
0.3211

■ 28.0314, 0.2942,
0.3003

■ 28.8283, 0.2818,
0.2808

■ 29.6860, 0.2704,
0.2629

Harmonies

Analogous

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



23.9899, 0.4425, 0.4129



23.9899, 0.3953, 0.4523



23.9899, 0.3291, 0.4573

Triad

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



23.9899, 0.3953, 0.4523



23.9899, 0.1893, 0.2716



23.9899, 0.3557, 0.2622

Complementary

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



23.9899, 0.3953, 0.4523



6.9860, 0.2096, 0.1651

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.



23.9899, 0.2831, 0.2309



23.9899, 0.3953, 0.4523



23.9899, 0.1945, 0.2319

Square

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



23.9899, 0.3953, 0.4523



23.9899, 0.2121, 0.3382



23.9899, 0.2264, 0.2195



23.9899, 0.4216, 0.3079

Rectangle

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



23.9899, 0.3953, 0.4523



23.9899, 0.2832, 0.4327



23.9899, 0.2264, 0.2195



23.9899, 0.3308, 0.2498

Sweetspot

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



23.9910, 0.3953, 0.4523



45.7399, 0.3383, 0.3681



9.6031, 0.4635, 0.3203



10.1765, 0.3409, 0.3720



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.



23.9910, 0.3953, 0.4523



41.4511, 0.4104, 0.4731



22.8302, 0.3499, 0.4801



6.2290, 0.3260, 0.3494



20.2839, 0.4303, 0.4966



0.2051, 0.4243, 0.5013

Inverse Universe

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



6.9860, 0.2096, 0.1651



8.3200, 0.1853, 0.1246



7.9204, 0.2504, 0.1725



5.3053, 0.2990, 0.3077



1.9353, 0.1516, 0.0655



0.0271, 0.1587, 0.0912

Previews

White Background



This preview shows how the Yxy color 23.9899, 0.3953, 0.4523 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 23.9899, 0.3953, 0.4523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

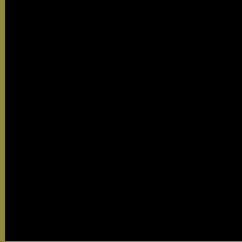
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9899, 0.3953, 0.4523

Background



This preview shows how black text looks on a background with the Yxy color 23.9899, 0.3953, 0.4523.



This preview shows how white text looks on a background with the Yxy color 23.9899, 0.3953, 0.4523.

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

23.9899, 0.3953, 0.4523

Protanopia

24.0544, 0.4066, 0.4466

Deuteranopia

23.9155, 0.4316, 0.4235



Tritanopia

23.9542, 0.3251, 0.3127

Trichromacy



Original Color

23.9899, 0.3953, 0.4523

Protanomaly

24.0562, 0.4020, 0.4498

Deuteranomaly

23.7596, 0.4185, 0.4339

Tritanomaly

23.7612, 0.3526, 0.3647

Monochromacy



Original Color

23.9899, 0.3953, 0.4523

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.8633, 0.3443, 0.3791

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9899, 0.3953, 0.4523 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(142, 137, 62)` looks like.

```
.text, #text, p{  
    color:rgb(142, 137, 62)  
}
```

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(142, 137, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 137, 62) }
```

Border

The CSS property to change the border of an element to Yxy 23.9899, 0.3953, 0.4523 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(142, 137, 62) }
```

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

```
.border{ border-color:rgb(142, 137, 62) }
```

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

Here you see how a box with a 4 pixel rgb(142, 137, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 137, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 137, 62);  
box-shadow:4px 4px 4px 4px rgb(142, 137,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9899, 0.3953, 0.4523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 137, 62) }
```

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

```
.background{ background-color: rgb(142,  
137, 62) }
```

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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