

Converting Colors

$Y_{xy}(23.5831, 0.3936, 0.4781)$

Have a look what the booklet for
Yxy(23.5831, 0.3936, 0.4781)
contains.

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Color

Yxy(23.6652, 0.3932, 0.4786)

Conversions

Conversions Part 1

Format	Color
Hex	858B30
RGB	133, 139, 48
RGB Percent	52%, 55%, 19%
CMY	0.4783, 0.4549, 0.8118
CMYK	0.04, 0.00, 0.65, 0.45
HSL	64°, 49%, 37%
HSV	64°, 65%, 55%
XYZ	19.4425, 23.6652, 6.3391
YIQ	126.8320, 25.6350, -29.5730

Conversions

Conversions Part 2

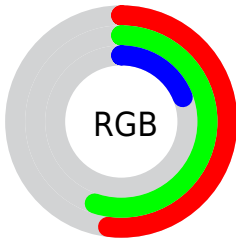
Format	Color
R_{YB}	48, 139, 54
Decimal	8751920
CIE Lab	55.75, -14.67, 46.19
CIE LCh	56, 48.466, 107.614
Yxy	23.6652, 0.3932, 0.4786
Android (android.graphics.Color)	4286942000 (0xFF858B30)
YUV	126.8320, -38.8642, 5.4093
Hunter-Lab	48.6469, -13.7919, 26.3269

Details

The Yxy color **23.6652, 0.3932, 0.4786** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.7611, 0.1958, 0.1288**, and the grayscale version is **21.2940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2915, 0.3795, 0.4471**, and **8.8502, 0.4029, 0.5183** is the 20% darker color. If you saturate the color by 10%, you get **23.4951, 0.4003, 0.4936**, and if you desaturate by 10%, it is **23.8741, 0.3839, 0.4600**.

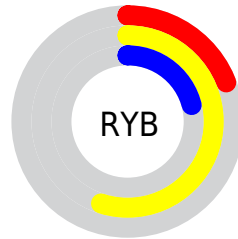
Distribution



Red (52%)

Green (55%)

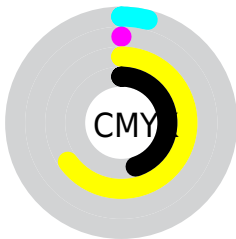
Blue (19%)



Red (19%)

Yellow (55%)

Blue (21%)

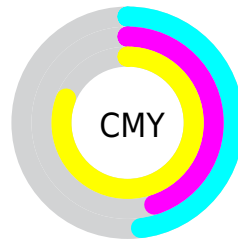


Cyan (4%)

Magenta (0%)

Yellow (65%)

Black (45%)



Cyan (48%)


Magenta (45%)

Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6652, 0.3932, 0.4786 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 23.6652, 0.3932, 0.4786 by changing the saturation by 10% instead.


 23.6652, 0.3932,
0.4786


 23.6652, 0.3932,
0.4786


271.1234, 0.3533,
0.3962


 15.0855, 0.4010,
0.5001


 49.4833, 0.3797,
0.4474

 8.8794, 0.4085,
0.5271


 67.4904, 0.3742,
0.4360


 4.6626, 0.4241,
0.5759

 89.4088, 0.3695,
0.4265

 2.0507, 0.4035,
0.5965

 115.6229, 0.3653,
0.4185

 0.6367, 0.2796,
0.7204

 146.5170, 0.3617,
0.4117

 0.0000, 0.0000,
0.0000

 182.4755, 0.3586,

0.4058

223.8829, 0.3558,
0.4007

■ 23.6652, 0.3932,
0.4786

■ 23.6652, 0.3932,
0.4786

■ 23.4951, 0.4003,
0.4936

■ 23.8741, 0.3839,
0.4600

■ 23.3570, 0.4050,
0.5045

■ 24.1216, 0.3727,
0.4386

■ 23.2470, 0.4074,
0.5114

■ 24.4114, 0.3602,
0.4152

■ 23.2005, 0.4082,
0.5141

■ 24.7462, 0.3470,
0.3908

■ 25.1281, 0.3334,
0.3661

■ 25.5592, 0.3199,
0.3419

■ 26.0416, 0.3069,
0.3186

■ 26.5772, 0.2944,
0.2967

■ 27.1678, 0.2828,
0.2763

Harmonies

Analogous

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



23.6652, 0.4552, 0.4337



23.6652, 0.3932, 0.4786



23.6652, 0.3143, 0.4782

Triad

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



23.6652, 0.3932, 0.4786



23.6652, 0.1694, 0.2491



23.6652, 0.3790, 0.2601

Complementary

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



23.6652, 0.3932, 0.4786



4.7611, 0.1958, 0.1288

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.



23.6652, 0.2921, 0.2213



23.6652, 0.3932, 0.4786



23.6652, 0.1811, 0.2112

Square

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



23.6652, 0.3932, 0.4786



23.6652, 0.1882, 0.3217



23.6652, 0.2223, 0.2035



23.6652, 0.4526, 0.3136

Rectangle

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



23.6652, 0.3932, 0.4786



23.6652, 0.2624, 0.4415



23.6652, 0.2223, 0.2035



23.6652, 0.3497, 0.2452

Sweetspot

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



23.6663, 0.3932, 0.4786



44.6526, 0.3402, 0.3783



8.2073, 0.5103, 0.3368



10.2505, 0.3435, 0.3845



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.



23.6663, 0.3932, 0.4786



41.9418, 0.4031, 0.4998



20.7986, 0.3406, 0.5103



5.8286, 0.3249, 0.3507



20.9439, 0.4082, 0.5141



0.1415, 0.4141, 0.5094

Inverse Universe

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



4.7611, 0.1958, 0.1288



5.3396, 0.1711, 0.0893



6.5771, 0.2534, 0.1549



4.9069, 0.3000, 0.3065



1.7385, 0.1530, 0.0616



0.0133, 0.1666, 0.0692

Previews

White Background



This preview shows how the Yxy color 23.6652, 0.3932, 0.4786 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 23.6652, 0.3932, 0.4786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

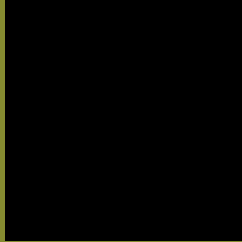
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6652, 0.3932, 0.4786

Background



This preview shows how black text looks on a background with the Yxy color 23.6652, 0.3932, 0.4786.



This preview shows how white text looks on a background with the Yxy color 23.6652, 0.3932, 0.4786.

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

23.6652, 0.3932, 0.4786

Protanopia

23.6450, 0.4186, 0.4618

Deuteranopia

23.5337, 0.4433, 0.4358



Tritanopia

23.6095, 0.3158, 0.3123

Trichromacy



Original Color

23.6652, 0.3932, 0.4786

Protanomaly

23.6532, 0.4091, 0.4687

Deuteranomaly

23.3416, 0.4250, 0.4501

Tritanomaly

23.3256, 0.3482, 0.3745

Monochromacy



Original Color

23.6652, 0.3932, 0.4786

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.7816, 0.3466, 0.3897

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6652, 0.3932, 0.4786 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, 139, 48)` looks like.

```
.text, #text, p{  
    color:rgb(133, 139, 48)  
}
```

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, 139, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 139, 48) }
```

Border

The CSS property to change the border of an element to Yxy 23.6652, 0.3932, 0.4786 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, 139, 48) }
```

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

```
.border{ border-color:rgb(133, 139, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 139, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 139, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 139, 48);  
box-shadow:4px 4px 4px 4px rgb(133, 139,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6652, 0.3932, 0.4786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 139, 48) }
```

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

```
.background{ background-color: rgb(133,  
139, 48) }
```

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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