

Converting Colors

$Y_{xy}(21.4012, 0.3878, 0.3830)$

Have a look what the booklet for
Yxy(21.4012, 0.3878, 0.3830)
contains.

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Color

Yxy(21.5006, 0.3872, 0.3830)

Conversions

Conversions Part 1

Format	Color
Hex	977B5B
RGB	151, 123, 91
RGB Percent	59%, 48%, 36%
CMY	0.4078, 0.5177, 0.6432
CMYK	0.00, 0.19, 0.40, 0.41
HSL	32°, 25%, 47%
HSV	32°, 40%, 59%
XYZ	21.7364, 21.5006, 12.9004
YIQ	127.7240, 26.9600, -4.0160

Conversions

Conversions Part 2

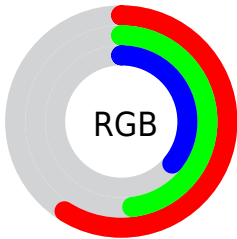
Format	Color
RYB	144, 151, 91
Decimal	9927515
CIELab	53.49, 6.22, 21.59
CIELCh	53, 22.465, 73.914
Yxy	21.5006, 0.3872, 0.3830
Android (android.graphics.Color)	4288117595 (0xFF977B5B)
YUV	127.7240, -18.1049, 20.4131
Hunter-Lab	46.3687, 2.5305, 15.9629

Details

The Yxy color **21.5006, 0.3872, 0.3830** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.6568, 0.2501, 0.2676**, and the grayscale version is **21.5436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7048, 0.3709, 0.3718**, and **7.7397, 0.4168, 0.3998** is the 20% darker color. If you saturate the color by 10%, you get **19.5800, 0.4109, 0.3963**, and if you desaturate by 10%, it is **23.6017, 0.3653, 0.3691**.

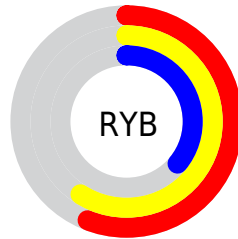
Distribution



Red (59%)

Green (48%)

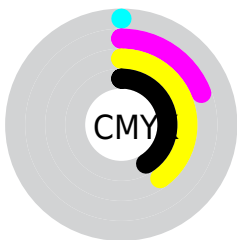
Blue (36%)



Red (56%)

Yellow (59%)

Blue (36%)

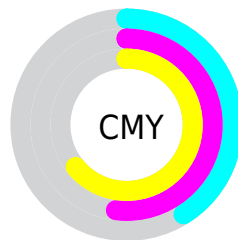


Cyan (0%)

Magenta (19%)

Yellow (40%)

Black (41%)



Cyan (41%)


Magenta (52%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5006, 0.3872, 0.3830 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 21.5006, 0.3872, 0.3830 by changing the saturation by 10% instead.


 21.5006, 0.3872,
0.3830


 21.5006, 0.3872,
0.3830


259.9271, 0.3452,
0.3535


 13.4904, 0.3994,
0.3910

 45.9192, 0.3707,
0.3717


 7.7671, 0.4161,
0.4016


 63.0964, 0.3649,
0.3677

 3.9463, 0.4401,
0.4157

 84.0981, 0.3601,
0.3643

 1.6436, 0.5059,
0.4612

 109.3086, 0.3562,
0.3615

 0.3867, 0.5733,
0.4267

139.1123, 0.3528,
0.3590

 0.0000, 0.0000,
0.0000

173.8937, 0.3499,

0.3570

214.0372, 0.3474,
0.3551

■ 21.5006, 0.3872,
0.3830

■ 21.5006, 0.3872,
0.3830

■ 19.5800, 0.4109,
0.3963

■ 23.6017, 0.3653,
0.3691

■ 17.8310, 0.4360,
0.4079

■ 25.8857, 0.3455,
0.3551

■ 16.2484, 0.4615,
0.4169

■ 28.3588, 0.3279,
0.3416

■ 14.8255, 0.4862,
0.4219

■ 31.0260, 0.3123,
0.3287

■ 13.5547, 0.5085,
0.4222

■ 33.8918, 0.2986,
0.3166

■ 12.4216, 0.5284,
0.4184

■ 36.9609, 0.2866,
0.3055

■ 12.3944, 0.5289,
0.4183

■ 40.2376, 0.2761,
0.2952

■ 43.7262, 0.2668,
0.2858

■ 47.4307, 0.2587,
0.2772

Harmonies

Analogous

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



21.5006, 0.3933, 0.3534



21.5006, 0.3872, 0.3830



21.5006, 0.3606, 0.4007

Triad

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



21.5006, 0.3872, 0.3830



21.5006, 0.2525, 0.3333



21.5006, 0.2992, 0.2703

Complementary

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



21.5006, 0.3872, 0.3830



17.6568, 0.2501, 0.2676

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.



21.5006, 0.2638, 0.2631



21.5006, 0.3872, 0.3830



21.5006, 0.2383, 0.2962

Square

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



21.5006, 0.3872, 0.3830



21.5006, 0.2826, 0.3721



21.5006, 0.2424, 0.2716



21.5006, 0.3406, 0.2908

Rectangle

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



21.5006, 0.3872, 0.3830



21.5006, 0.3356, 0.4013



21.5006, 0.2424, 0.2716



21.5006, 0.2862, 0.2663

Sweetspot

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



21.5016, 0.3872, 0.3830



49.6362, 0.3321, 0.3449



15.4187, 0.3617, 0.2803



11.1623, 0.3341, 0.3464



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.



21.5016, 0.3872, 0.3830



35.3142, 0.4090, 0.3953



29.3809, 0.3694, 0.4249



6.7406, 0.3271, 0.3409



10.5987, 0.5280, 0.4189



0.2312, 0.4726, 0.4629

Inverse Universe

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



17.6568, 0.2501, 0.2676



27.4215, 0.2354, 0.2502



11.9913, 0.2427, 0.2118



6.4779, 0.2989, 0.3168



5.7364, 0.1752, 0.1507



0.1576, 0.1969, 0.2288

Previews

White Background



This preview shows how the Yxy color 21.5006, 0.3872, 0.3830 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 21.5006, 0.3872, 0.3830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

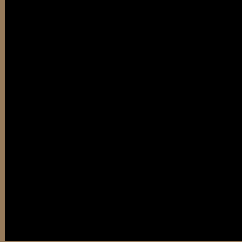
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5006, 0.3872, 0.3830

Background



This preview shows how black text looks on a background with the Yxy color 21.5006, 0.3872, 0.3830.



This preview shows how white text looks on a background with the Yxy color 21.5006, 0.3872, 0.3830.

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

21.5006, 0.3872, 0.3830

Protanopia

21.6319, 0.3650, 0.3913

Deuteranopia

21.5966, 0.3885, 0.3827



Tritanopia

21.4577, 0.3491, 0.3144

Trichromacy



Original Color

21.5006, 0.3872, 0.3830

Protanomaly

21.5341, 0.3737, 0.3884

Deuteranomaly

21.5966, 0.3885, 0.3827

Tritanomaly

21.5179, 0.3637, 0.3391

Monochromacy



Original Color

21.5006, 0.3872, 0.3830

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.3938, 0.3375, 0.3487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5006, 0.3872, 0.3830 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, 123, 91)` looks like.

```
.text, #text, p{  
    color:rgb(151, 123, 91)  
}
```

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, 123, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 123, 91) }
```

Border

The CSS property to change the border of an element to Yxy 21.5006, 0.3872, 0.3830 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, 123, 91) }
```

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

```
.border{ border-color:rgb(151, 123, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 123, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 123, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 123, 91);  
box-shadow:4px 4px 4px 4px rgb(151, 123,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5006, 0.3872, 0.3830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 123, 91) }
```

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

```
.background{ background-color: rgb(151,  
123, 91) }
```

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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