

Converting Colors

$Y_{xy}(12.8670, 0.3530, 0.3236)$

Have a look what the booklet for
Yxy(12.8670, 0.3530, 0.3236)
contains.

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Color

Yxy(12.9875, 0.3539, 0.3250)

Conversions

Conversions Part 1

Format	Color
Hex	7A5E60
RGB	122, 94, 96
RGB Percent	48%, 37%, 38%
CMY	0.5215, 0.6314, 0.6235
CMYK	0.00, 0.23, 0.21, 0.52
HSL	356°, 13%, 42%
HSV	356°, 23%, 48%
XYZ	14.1424, 12.9875, 12.8316
YIQ	102.6000, 16.0460, 6.5580

Conversions

Conversions Part 2

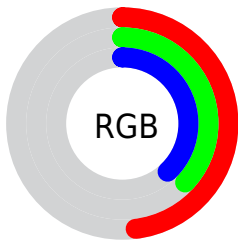
Format	Color
R _Y B	122, 94, 96
Decimal	8019552
CIE Lab	42.74, 11.74, 3.23
CIE LCh	43, 12.178, 15.373
Yxy	12.9875, 0.3539, 0.3250
Android (android.graphics.Color)	4286209632 (0xFF7A5E60)
YUV	102.6000, -3.2538, 17.0138
Hunter-Lab	36.0382, 6.9816, 4.1161

Details

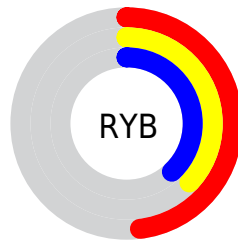
The Yxy color **12.9875, 0.3539, 0.3250** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **17.6586, 0.2823, 0.3331**, and the grayscale version is **13.4589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1358, 0.3441, 0.3262**, and **3.7607, 0.3759, 0.3227** is the 20% darker color. If you saturate the color by 10%, you get **10.7933, 0.3790, 0.3232**, and if you desaturate by 10%, it is **15.5560, 0.3335, 0.3268**.

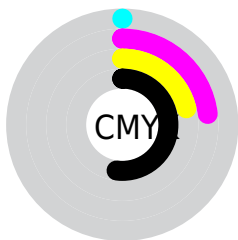
Distribution



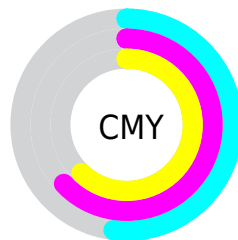
- Red (48%)
- Green (37%)
- Blue (38%)



- Red (48%)
- Yellow (37%)
- Blue (38%)



- Cyan (0%)
- Magenta (23%)
- Yellow (21%)
- Black (52%)




- Cyan (52%)
- Magenta (63%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9875, 0.3539, 0.3250 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 12.9875, 0.3539, 0.3250 by changing the saturation by 10% instead.


 12.9875, 0.3539,
0.3250

 12.9875, 0.3539,
0.3250


210.8375, 0.3289,
0.3277


 7.4199, 0.3625,
0.3239


 31.2813, 0.3434,
0.3262


 3.7261, 0.3755,
0.3222

 44.7764, 0.3399,
0.3266

 1.5215, 0.3976,
0.3188

 61.6827, 0.3371,
0.3269

 0.3038, 0.5846,
0.3087

 82.3847, 0.3348,
0.3271

 0.0000, 0.0000,
0.0000

107.2668, 0.3330,
0.3273

136.7134, 0.3314,

0.3274

171.1088, 0.3300,
0.3276

■ 12.9875, 0.3539,
0.3250

■ 12.9875, 0.3539,
0.3250

■ 10.7933, 0.3790,
0.3232

■ 15.5560, 0.3335,
0.3268

■ 8.9542, 0.4095,
0.3214

■ 18.5133, 0.3170,
0.3285

■ 7.4521, 0.4458,
0.3200

■ 21.8753, 0.3036,
0.3301

■ 6.2666, 0.4871,
0.3191

■ 25.6562, 0.2927,
0.3315

■ 5.3750, 0.5311,
0.3192

■ 29.8700, 0.2838,
0.3329

■ 4.7515, 0.5735,
0.3204

■ 34.5296, 0.2765,
0.3341

■ 4.3649, 0.6082,
0.3229

■ 39.6477, 0.2704,
0.3351

■ 4.1581, 0.6278,
0.3232

■ 45.2364, 0.2654,
0.3361

■ 51.3071, 0.2612,
0.3370

Harmonies

Analogous

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



12.9875, 0.3321, 0.3048



12.9875, 0.3539, 0.3250



12.9875, 0.3643, 0.3469

Triad

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



12.9875, 0.3539, 0.3250



12.9875, 0.3181, 0.3715



12.9875, 0.2671, 0.2915

Complementary

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



12.9875, 0.3539, 0.3250



17.6586, 0.2823, 0.3331

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.



12.9875, 0.2638, 0.3077



12.9875, 0.3539, 0.3250



12.9875, 0.2925, 0.3551

Square

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



12.9875, 0.3539, 0.3250



12.9875, 0.3429, 0.3750



12.9875, 0.2729, 0.3311



12.9875, 0.2820, 0.2857

Rectangle

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



12.9875, 0.3539, 0.3250



12.9875, 0.3631, 0.3599



12.9875, 0.2729, 0.3311



12.9875, 0.2646, 0.2958

Sweetspot

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



12.9881, 0.3539, 0.3250



30.2897, 0.3235, 0.3278



13.3804, 0.3119, 0.2742



6.8770, 0.3242, 0.3277



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



12.9881, 0.3539, 0.3250



20.5610, 0.3676, 0.3240



15.1872, 0.3521, 0.3526



4.0193, 0.3266, 0.3275



4.3760, 0.6281, 0.3234



20.8240, 0.6344, 0.3268

Inverse Universe

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



12.9881, 0.3539, 0.3250



20.5610, 0.3676, 0.3240



15.0105, 0.2785, 0.3042



4.0193, 0.3266, 0.3275



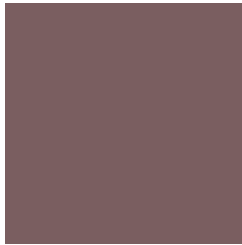
4.3760, 0.6281, 0.3234



20.8240, 0.6344, 0.3268

Previews

White Background



This preview shows how the Yxy color 12.9875, 0.3539, 0.3250 looks on a white background.

Color Contrast Check

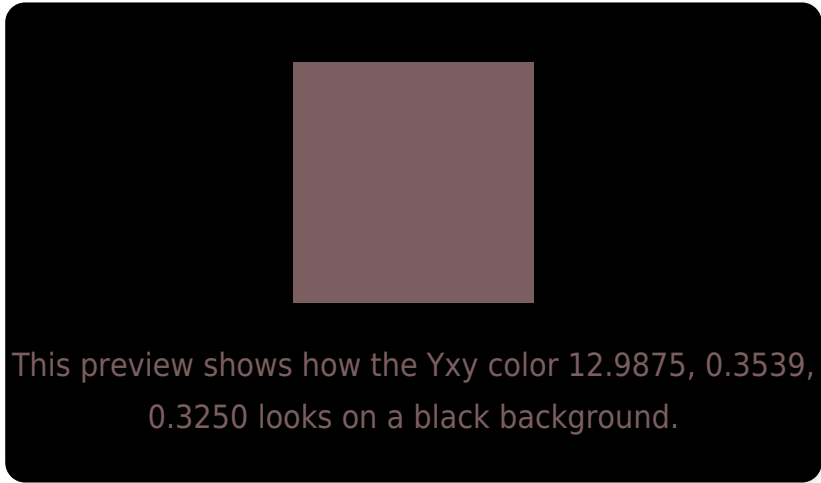
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

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

Yxy 12.9875, 0.3539, 0.3250

Background



This preview shows how black text looks on a background with the Yxy color 12.9875, 0.3539, 0.3250.



This preview shows how white text looks on a background with the Yxy color 12.9875, 0.3539, 0.3250.

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

12.9875, 0.3539, 0.3250

Protanopia

13.1110, 0.3170, 0.3312

Deuteranopia

13.0723, 0.3399, 0.3355



Tritanopia

12.9598, 0.3496, 0.3150

Trichromacy



Original Color

12.9875, 0.3539, 0.3250

Protanomaly

12.9512, 0.3294, 0.3269

Deuteranomaly

13.0886, 0.3449, 0.3333

Tritanomaly

12.9405, 0.3512, 0.3170

Monochromacy



Original Color

12.9875, 0.3539, 0.3250

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.3494, 0.3275, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9875, 0.3539, 0.3250 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(122, 94, 96)` looks like.

```
.text, #text, p{  
    color:rgb(122, 94, 96)  
}
```

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(122, 94, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 94, 96) }
```

Border

The CSS property to change the border of an element to Yxy 12.9875, 0.3539, 0.3250 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(122, 94, 96) }
```

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

```
.border{ border-color:rgb(122, 94, 96) }
```

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

Here you see how a box with a 4 pixel rgb(122, 94, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 94, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 94, 96);  
box-shadow:4px 4px 4px 4px rgb(122, 94,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9875, 0.3539, 0.3250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 94, 96) }
```

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

```
.background{ background-color: rgb(122, 94,  
96) }
```

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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