

Converting Colors

$Y_{xy}(12.3699, 0.3847, 0.3428)$

Have a look what the booklet for
Yxy(12.3699, 0.3847, 0.3428)
contains.

Yxy(12.4489, 0.3852, 0.3432)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.4489, 0.3852, 0.3432)

Conversions

Conversions Part 1

Format	Color
Hex	7F5A53
RGB	127, 90, 83
RGB Percent	50%, 35%, 33%
CMY	0.5019, 0.6471, 0.6745
CMYK	0.00, 0.29, 0.35, 0.50
HSL	10°, 21%, 41%
HSV	10°, 35%, 50%
XYZ	13.9724, 12.4489, 9.8518
YIQ	100.2650, 24.2990, 5.6670

Conversions

Conversions Part 2

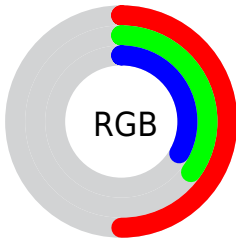
Format	Color
R_{YB}	127, 91, 83
Decimal	8346195
CIE Lab	41.92, 14.23, 10.08
CIE LCh	42, 17.433, 35.311
Yxy	12.4489, 0.3852, 0.3432
Android (android.graphics.Color)	4286536275 (0xFF7F5A53)
YUV	100.2650, -8.5116, 23.4466
Hunter-Lab	35.2830, 8.9423, 8.1431

Details

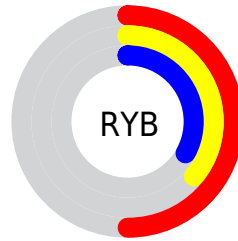
The Yxy color **12.4489, 0.3852, 0.3432** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **16.8137, 0.2638, 0.3142**, and the grayscale version is **12.8333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2459, 0.3671, 0.3406**, and **3.4778, 0.4235, 0.3481** is the 20% darker color. If you saturate the color by 10%, you get **10.5961, 0.4159, 0.3473**, and if you desaturate by 10%, it is **14.5981, 0.3593, 0.3389**.

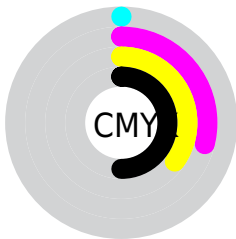
Distribution



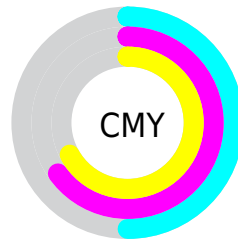
- Red (50%)
- Green (35%)
- Blue (33%)



- Red (50%)
- Yellow (36%)
- Blue (33%)



- Cyan (0%)
- Magenta (29%)
- Yellow (35%)
- Black (50%)





- Cyan (50%)
- Magenta (65%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4489, 0.3852, 0.3432 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 12.4489, 0.3852, 0.3432 by changing the saturation by 10% instead.

 12.4489, 0.3852,
0.3432


 12.4489, 0.3852,
0.3432


207.3549, 0.3407,
0.3355


 7.0502, 0.4005,
0.3451


 30.3101, 0.3664,
0.3403


 3.4935, 0.4239,
0.3472


 43.5413, 0.3602,
0.3393

 1.3945, 0.4656,
0.3504

 60.1522, 0.3553,
0.3384

 0.2127, 0.7209,
0.2791

 80.5271, 0.3513,
0.3376

 0.0000, 0.0000,
0.0000

 105.0504, 0.3480,
0.3370

134.1066, 0.3452,

0.3364

168.0799, 0.3428,
0.3360

■ 12.4489, 0.3852,
0.3432

■ 12.4489, 0.3852,
0.3432

■ 10.5961, 0.4159,
0.3473

■ 14.5981, 0.3593,
0.3389

■ 9.0248, 0.4516,
0.3509

■ 17.0540, 0.3378,
0.3347

■ 7.7218, 0.4913,
0.3533

■ 19.8288, 0.3199,
0.3307

■ 6.6719, 0.5327,
0.3538

■ 22.9332, 0.3052,
0.3271

■ 5.8584, 0.5721,
0.3518

■ 26.3777, 0.2929,
0.3237

■ 5.2618, 0.6046,
0.3473

■ 30.1722, 0.2827,
0.3206

■ 5.0195, 0.6203,
0.3456

■ 34.3263, 0.2742,
0.3179

■ 38.8489, 0.2670,
0.3153

■ 43.7490, 0.2609,
0.3130

Harmonies

Analogous

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



12.4489, 0.3634, 0.3125



12.4489, 0.3852, 0.3432



12.4489, 0.3859, 0.3725

Triad

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



12.4489, 0.3852, 0.3432



12.4489, 0.2948, 0.3776



12.4489, 0.2598, 0.2681

Complementary

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



12.4489, 0.3852, 0.3432



16.8137, 0.2638, 0.3142

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.



12.4489, 0.2441, 0.2807



12.4489, 0.3852, 0.3432



12.4489, 0.2633, 0.3439

Square

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



12.4489, 0.3852, 0.3432



12.4489, 0.3324, 0.3958



12.4489, 0.2453, 0.3077



12.4489, 0.2897, 0.2707

Rectangle

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



12.4489, 0.3852, 0.3432



12.4489, 0.3747, 0.3875



12.4489, 0.2453, 0.3077



12.4489, 0.2528, 0.2706

Sweetspot

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



12.4495, 0.3852, 0.3432



32.6489, 0.3295, 0.3329



12.0677, 0.3265, 0.2581



7.5083, 0.3316, 0.3334



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



12.4495, 0.3852, 0.3432



19.4806, 0.4105, 0.3467



16.6421, 0.3714, 0.3847



4.4460, 0.3274, 0.3325



5.0591, 0.6204, 0.3456



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.8137, 0.2638, 0.3142



28.5818, 0.2535, 0.3100



12.1851, 0.2577, 0.2660



4.7743, 0.2993, 0.3255



12.1163, 0.2109, 0.2794



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 12.4489, 0.3852, 0.3432 looks on a white background.

Color Contrast Check

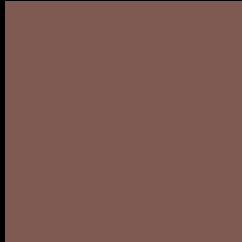
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 12.4489, 0.3852, 0.3432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

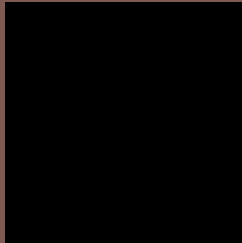
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4489, 0.3852, 0.3432

Background



This preview shows how black text looks on a background with the Yxy color 12.4489, 0.3852, 0.3432.



This preview shows how white text looks on a background with the Yxy color 12.4489, 0.3852, 0.3432.

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

12.4489, 0.3852, 0.3432

Protanopia

12.5549, 0.3372, 0.3561

Deuteranopia

12.4385, 0.3641, 0.3570



Tritanopia

12.3949, 0.3678, 0.3153

Trichromacy



Original Color

12.4489, 0.3852, 0.3432

Protanomaly

12.4824, 0.3526, 0.3508

Deuteranomaly

12.3598, 0.3718, 0.3523

Tritanomaly

12.4893, 0.3740, 0.3252

Monochromacy



Original Color

12.4489, 0.3852, 0.3432

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.4889, 0.3373, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4489, 0.3852, 0.3432 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(127, 90, 83)` looks like.

```
.text, #text, p{  
    color:rgb(127, 90, 83)  
}
```

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(127, 90, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 90, 83) }
```

Border

The CSS property to change the border of an element to Yxy 12.4489, 0.3852, 0.3432 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(127, 90, 83) }
```

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

```
.border{ border-color:rgb(127, 90, 83) }
```

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

Here you see how a box with a 4 pixel rgb(127, 90, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 90, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 90, 83);  
box-shadow:4px 4px 4px 4px rgb(127, 90,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4489, 0.3852, 0.3432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 90, 83) }
```

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

```
.background{ background-color: rgb(127, 90,  
83) }
```

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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