

Converting Colors

$Y_{xy}(12.2082, 0.3788, 0.3495)$

Have a look what the booklet for
Yxy(12.2082, 0.3788, 0.3495)
contains.

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Color

Yxy(12.2138, 0.3796, 0.3499)

Conversions

Conversions Part 1

Format	Color
Hex	7A5B51
RGB	122, 91, 81
RGB Percent	48%, 36%, 32%
CMY	0.5216, 0.6431, 0.6824
CMYK	0.00, 0.25, 0.34, 0.52
HSL	15°, 20%, 40%
HSV	15°, 34%, 48%
XYZ	13.2505, 12.2138, 9.4422
YIQ	99.1290, 21.6860, 3.4620

Conversions

Conversions Part 2

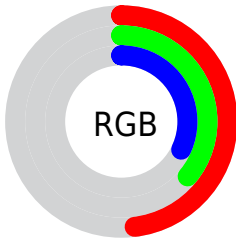
Format	Color
R_{YB}	122, 94, 81
Decimal	8018769
CIE _{Lab}	41.55, 11.18, 10.71
CIE _{LCh}	42, 15.481, 43.752
Yxy	12.2138, 0.3796, 0.3499
Android (android.graphics.Color)	4286208849 (0xFF7A5B51)
YUV	99.1290, -8.9376, 20.0579
Hunter-Lab	34.9482, 6.5183, 8.4450

Details

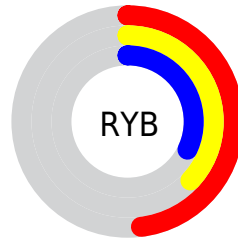
The Yxy color **12.2138, 0.3796, 0.3499** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **14.7352, 0.2644, 0.3069**, and the grayscale version is **12.5304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7754, 0.3622, 0.3453**, and **3.3819, 0.4169, 0.3588** is the 20% darker color. If you saturate the color by 10%, you get **10.5669, 0.4077, 0.3563**, and if you desaturate by 10%, it is **14.0883, 0.3556, 0.3434**.

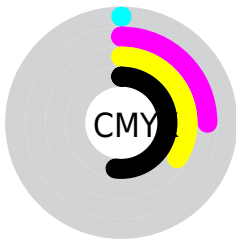
Distribution



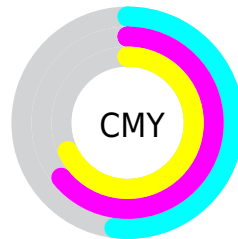
- Red (48%)
- Green (36%)
- Blue (32%)



- Red (48%)
- Yellow (37%)
- Blue (32%)



- Cyan (0%)
- Magenta (25%)
- Yellow (34%)
- Black (52%)





- Cyan (52%)
- Magenta (64%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2138, 0.3796, 0.3499 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 12.2138, 0.3796, 0.3499 by changing the saturation by 10% instead.


 12.2138, 0.3796,
0.3499


 12.2138, 0.3796,
0.3499


205.8156, 0.3385,
0.3380


 6.8895, 0.3938,
0.3533


 29.8839, 0.3622,
0.3452


 3.3931, 0.4156,
0.3578

 42.9985, 0.3564,
0.3436


 1.3402, 0.4568,
0.3669

 59.4785, 0.3519,
0.3422

 0.1720, 0.7173,
0.2827

 79.7085, 0.3482,
0.3411

 0.0000, 0.0000,
0.0000

 104.0728, 0.3452,
0.3401

132.9559, 0.3426,

0.3393

166.7420, 0.3404,
0.3386

■ 12.2138, 0.3796,
0.3499

■ 12.2138, 0.3796,
0.3499

■ 10.5669, 0.4077,
0.3563

■ 14.0883, 0.3556,
0.3434

■ 9.1373, 0.4400,
0.3620

■ 16.1970, 0.3352,
0.3371

■ 7.9160, 0.4759,
0.3664

■ 18.5483, 0.3182,
0.3311

■ 6.8932, 0.5138,
0.3684

■ 21.1498, 0.3038,
0.3255

■ 6.0578, 0.5508,
0.3672

■ 24.0084, 0.2918,
0.3204

■ 5.3975, 0.5834,
0.3624

■ 27.1311, 0.2816,
0.3157

■ 5.0554, 0.6031,
0.3594

■ 30.5245, 0.2729,
0.3114

■ 34.1949, 0.2656,
0.3075

■ 38.1486, 0.2592,
0.3040

Harmonies

Analogous

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



12.2138, 0.3651, 0.3219



12.2138, 0.3796, 0.3499



12.2138, 0.3749, 0.3745

Triad

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



12.2138, 0.3796, 0.3499



12.2138, 0.2880, 0.3647



12.2138, 0.2717, 0.2735

Complementary

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



12.2138, 0.3796, 0.3499



14.7352, 0.2644, 0.3069

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.



12.2138, 0.2535, 0.2812



12.2138, 0.3796, 0.3499



12.2138, 0.2624, 0.3331

Square

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



12.2138, 0.3796, 0.3499



12.2138, 0.3211, 0.3856



12.2138, 0.2502, 0.3023



12.2138, 0.3015, 0.2794

Rectangle

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



12.2138, 0.3796, 0.3499



12.2138, 0.3619, 0.3855



12.2138, 0.2502, 0.3023



12.2138, 0.2641, 0.2745

Sweetspot

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



12.2144, 0.3796, 0.3499



29.8460, 0.3292, 0.3350



11.1996, 0.3313, 0.2667



6.7206, 0.3312, 0.3357



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.



12.2144, 0.3796, 0.3499



19.3225, 0.3999, 0.3546



16.1111, 0.3671, 0.3891



4.1595, 0.3271, 0.3343



5.3120, 0.6035, 0.3590



24.1911, 0.6119, 0.3523

Inverse Universe

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



14.7352, 0.2644, 0.3069



24.4364, 0.2546, 0.3013



10.7950, 0.2588, 0.2605



4.3544, 0.2994, 0.3237



9.5592, 0.2030, 0.2508



44.2142, 0.2018, 0.2463

Previews

White Background



This preview shows how the Yxy color 12.2138, 0.3796, 0.3499 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 12.2138, 0.3796, 0.3499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

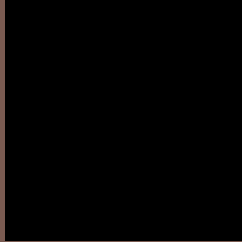
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2138, 0.3796, 0.3499

Background



This preview shows how black text looks on a background with the Yxy color 12.2138, 0.3796, 0.3499.



This preview shows how white text looks on a background with the Yxy color 12.2138, 0.3796, 0.3499.

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

12.2138, 0.3796, 0.3499

Protanopia

12.2590, 0.3404, 0.3609

Deuteranopia

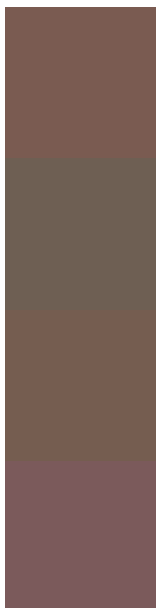
12.1620, 0.3662, 0.3594



Tritanopia

12.2002, 0.3575, 0.3149

Trichromacy



Original Color

12.2138, 0.3796, 0.3499

Protanomaly

12.1239, 0.3544, 0.3556

Deuteranomaly

12.1898, 0.3717, 0.3568

Tritanomaly

12.2786, 0.3653, 0.3271

Monochromacy



Original Color

12.2138, 0.3796, 0.3499

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.2642, 0.3355, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2138, 0.3796, 0.3499 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, 91, 81)` looks like.

```
.text, #text, p{  
    color:rgb(122, 91, 81)  
}
```

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, 91, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 91, 81) }
```

Border

The CSS property to change the border of an element to Yxy 12.2138, 0.3796, 0.3499 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, 91, 81) }
```

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

```
.border{ border-color:rgb(122, 91, 81) }
```

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

Here you see how a box with a 4 pixel rgb(122, 91, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 91, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 91, 81);  
box-shadow:4px 4px 4px 4px rgb(122, 91,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2138, 0.3796, 0.3499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 91, 81) }
```

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

```
.background{ background-color: rgb(122, 91,  
81) }
```

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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