

Converting Colors

$Y_{xy}(10.9956, 0.3931, 0.3443)$

Have a look what the booklet for
Yxy(10.9956, 0.3931, 0.3443)
contains.

Yxy(11.0000, 0.3931, 0.3459)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.0000, 0.3931, 0.3459)

Conversions

Conversions Part 1

Format	Color
Hex	7A544C
RGB	122, 84, 76
RGB Percent	48%, 33%, 30%
CMY	0.5216, 0.6706, 0.7020
CMYK	0.00, 0.31, 0.38, 0.52
HSL	10°, 23%, 39%
HSV	10°, 38%, 48%
XYZ	12.5010, 11.0000, 8.3001
YIQ	94.4500, 25.2160, 5.5680

Conversions

Conversions Part 2

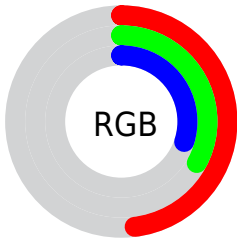
Format	Color
R_{YB}	122, 86, 76
Decimal	8016972
CIE _{Lab}	39.58, 14.71, 11.03
CIE _{LCh}	40, 18.380, 36.865
Yxy	11.0000, 0.3931, 0.3459
Android (android.graphics.Color)	4286207052 (0xFF7A544C)
YUV	94.4500, -9.0959, 24.1613
Hunter-Lab	33.1662, 9.2392, 8.3786

Details

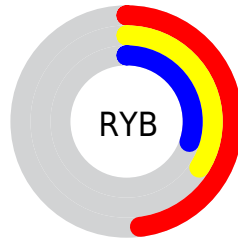
The Yxy color **11.0000, 0.3931, 0.3459** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **14.9745, 0.2599, 0.3111**, and the grayscale version is **11.3234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.7610, 0.3717, 0.3425**, and **2.9330, 0.4391, 0.3520** is the 20% darker color. If you saturate the color by 10%, you get **9.3933, 0.4248, 0.3503**, and if you desaturate by 10%, it is **12.8650, 0.3662, 0.3412**.

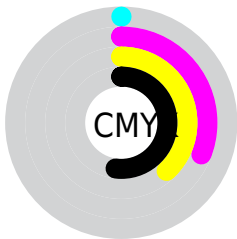
Distribution



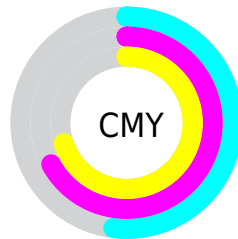
- Red (48%)
- Green (33%)
- Blue (30%)



- Red (48%)
- Yellow (34%)
- Blue (30%)



- Cyan (0%)
- Magenta (31%)
- Yellow (38%)
- Black (52%)





- Cyan (52%)
- Magenta (67%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.0000, 0.3931, 0.3459 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 11.0000, 0.3931, 0.3459 by changing the saturation by 10% instead.


 11.0000, 0.3931,
0.3459


 11.0000, 0.3931,
0.3459


197.6676, 0.3430,
0.3367

 6.0668, 0.4109,
0.3482

 27.6602, 0.3716,
0.3424


 2.8858, 0.4386,
0.3507

 40.1560, 0.3646,
0.3412


 1.0724, 0.5047,
0.3647

 55.9414, 0.3591,
0.3401

 0.0000, 1.0000,
0.0000

 75.4009, 0.3546,
0.3392

 0.0000, 0.0000,
0.0000

 98.9189, 0.3510,
0.3384

126.8798, 0.3479,

0.3377

159.6678, 0.3453,
0.3372

■ 11.0000, 0.3931,
0.3459

■ 11.0000, 0.3931,
0.3459

■ 9.3933, 0.4248,
0.3503

■ 12.8650, 0.3662,
0.3412

■ 8.0320, 0.4610,
0.3539

■ 14.9974, 0.3437,
0.3366

■ 6.9042, 0.5008,
0.3561

■ 17.4078, 0.3250,
0.3322

■ 5.9967, 0.5414,
0.3561

■ 20.1057, 0.3094,
0.3281

■ 5.2948, 0.5788,
0.3533

■ 23.1002, 0.2965,
0.3243

■ 4.7786, 0.6102,
0.3488

■ 26.4001, 0.2857,
0.3209

■ 4.6831, 0.6171,
0.3482

■ 30.0136, 0.2767,
0.3177

■ 33.9487, 0.2691,
0.3149

■ 38.2132, 0.2626,
0.3123

Harmonies

Analogous

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



11.0000, 0.3702, 0.3125



11.0000, 0.3931, 0.3459



11.0000, 0.3925, 0.3777

Triad

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



11.0000, 0.3931, 0.3459



11.0000, 0.2908, 0.3811



11.0000, 0.2561, 0.2622

Complementary

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



11.0000, 0.3931, 0.3459



14.9745, 0.2599, 0.3111

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.



11.0000, 0.2382, 0.2748



11.0000, 0.3931, 0.3459



11.0000, 0.2571, 0.3431

Square

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



11.0000, 0.3931, 0.3459



11.0000, 0.3320, 0.4023



11.0000, 0.2385, 0.3034



11.0000, 0.2894, 0.2660

Rectangle

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



11.0000, 0.3931, 0.3459



11.0000, 0.3792, 0.3940



11.0000, 0.2385, 0.3034



11.0000, 0.2483, 0.2645

Sweetspot

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



11.0005, 0.3931, 0.3459



29.0606, 0.3312, 0.3337



10.5281, 0.3291, 0.2535



6.5423, 0.3331, 0.3342



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.



11.0005, 0.3931, 0.3459



16.9552, 0.4193, 0.3496



15.1055, 0.3766, 0.3909



4.1175, 0.3273, 0.3328



4.9207, 0.6175, 0.3479



22.5774, 0.6246, 0.3422

Inverse Universe

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



14.9745, 0.2599, 0.3111



24.9657, 0.2497, 0.3065



10.4799, 0.2525, 0.2579



4.3994, 0.2994, 0.3252



11.2189, 0.2096, 0.2744



52.4118, 0.2087, 0.2713

Previews

White Background



This preview shows how the Yxy color 11.0000, 0.3931, 0.3459 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 11.0000, 0.3931, 0.3459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

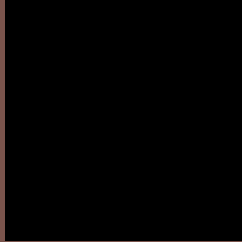
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.0000, 0.3931, 0.3459

Background



This preview shows how black text looks on a background with the Yxy color 11.0000, 0.3931, 0.3459.

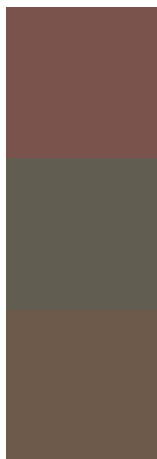


This preview shows how white text looks on a background with the Yxy color 11.0000, 0.3931, 0.3459.

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

11.0000, 0.3931, 0.3459

Protanopia

11.0195, 0.3387, 0.3576

Deuteranopia

11.0715, 0.3682, 0.3629



Tritanopia

10.9501, 0.3746, 0.3168

Trichromacy



Original Color

11.0000, 0.3931, 0.3459

Protanomaly

11.0026, 0.3583, 0.3542

Deuteranomaly

11.0649, 0.3781, 0.3576

Tritanomaly

11.0376, 0.3812, 0.3271

Monochromacy



Original Color

11.0000, 0.3931, 0.3459

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.9435, 0.3403, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.0000, 0.3931, 0.3459 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, 84, 76)` looks like.

```
.text, #text, p{  
    color:rgb(122, 84, 76)  
}
```

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, 84, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 84, 76) }
```

Border

The CSS property to change the border of an element to Yxy 11.0000, 0.3931, 0.3459 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, 84, 76) }
```

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

```
.border{ border-color:rgb(122, 84, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 84, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 84, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 84, 76);  
box-shadow:4px 4px 4px 4px rgb(122, 84,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 11.0000, 0.3931, 0.3459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 84, 76) }
```

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

```
.background{ background-color: rgb(122, 84,  
76) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor