

Converting Colors

$Y_{xy}(12.3086, 0.3902, 0.3530)$

Have a look what the booklet for
Yxy(12.3086, 0.3902, 0.3530)
contains.

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Color

Yxy(12.2980, 0.3919, 0.3534)

Conversions

Conversions Part 1

Format	Color
Hex	7E5A4E
RGB	126, 90, 78
RGB Percent	49%, 35%, 31%
CMY	0.5058, 0.6471, 0.6941
CMYK	0.00, 0.29, 0.38, 0.51
HSL	15°, 24%, 40%
HSV	15°, 38%, 49%
XYZ	13.6378, 12.2980, 8.8633
YIQ	99.3960, 25.3080, 3.9000

Conversions

Conversions Part 2

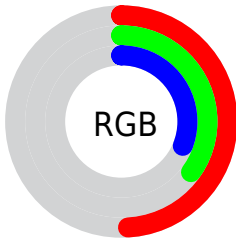
Format	Color
R_{YB}	126, 94, 78
Decimal	8280654
CIE _{Lab}	41.69, 13.11, 12.78
CIE _{LCh}	42, 18.312, 44.260
Yxy	12.2980, 0.3919, 0.3534
Android (android.graphics.Color)	4286470734 (0xFF7E5A4E)
YUV	99.3960, -10.5482, 23.3317
Hunter-Lab	35.0685, 8.0469, 9.5628

Details

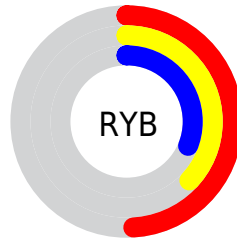
The Yxy color **12.2980, 0.3919, 0.3534** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **15.1681, 0.2581, 0.3028**, and the grayscale version is **12.6055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9918, 0.3716, 0.3479**, and **3.4127, 0.4324, 0.3607** is the 20% darker color. If you saturate the color by 10%, you get **10.6400, 0.4220, 0.3597**, and if you desaturate by 10%, it is **14.1947, 0.3660, 0.3467**.

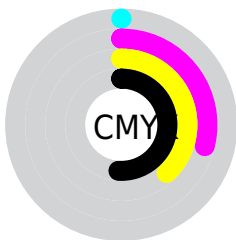
Distribution



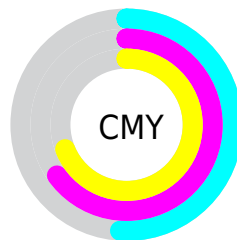
- Red (49%)
- Green (35%)
- Blue (31%)



- Red (49%)
- Yellow (37%)
- Blue (31%)



- Cyan (0%)
- Magenta (29%)
- Yellow (38%)
- Black (51%)





- Cyan (51%)
- Magenta (65%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2980, 0.3919, 0.3534 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 12.2980, 0.3919, 0.3534 by changing the saturation by 10% instead.


 12.2980, 0.3919,
0.3534


 12.2980, 0.3919,
0.3534


206.3683, 0.3433,
0.3397


 6.9470, 0.4086,
0.3571


 30.0367, 0.3713,
0.3481


 3.4290, 0.4340,
0.3618

 43.1932, 0.3645,
0.3462


 1.3596, 0.4852,
0.3734

 59.7202, 0.3592,
0.3447

 0.1866, 0.7272,
0.2728

 80.0023, 0.3548,
0.3434

 0.0000, 0.0000,
0.0000

 104.4237, 0.3512,
0.3422

133.3689, 0.3481,

0.3413

167.2223, 0.3455,
0.3405

■ 12.2980, 0.3919,
0.3534

■ 12.2980, 0.3919,
0.3534

■ 10.6400, 0.4220,
0.3597

■ 14.1947, 0.3660,
0.3467

■ 9.2095, 0.4560,
0.3650

■ 16.3375, 0.3440,
0.3401

■ 7.9967, 0.4930,
0.3686


■ 18.7354, 0.3255,
0.3338


■ 6.9905, 0.5307,
0.3693


■ 21.3966, 0.3100,
0.3279


■ 6.1789, 0.5660,
0.3663


■ 24.3288, 0.2969,
0.3225


 5.5448, 0.5966,
0.3607

 27.5395, 0.2859,
0.3175

 5.4417, 0.6024,
0.3599

 31.0358, 0.2765,
0.3129

 34.8246, 0.2686,
0.3087

 38.9126, 0.2618,
0.3050

Harmonies

Analogous

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



12.2980, 0.3751, 0.3209



12.2980, 0.3919, 0.3534



12.2980, 0.3857, 0.3824

Triad

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



12.2980, 0.3919, 0.3534



12.2980, 0.2828, 0.3709



12.2980, 0.2650, 0.2642

Complementary

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



12.2980, 0.3919, 0.3534



15.1681, 0.2581, 0.3028

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.



12.2980, 0.2437, 0.2724



12.2980, 0.3919, 0.3534



12.2980, 0.2533, 0.3328

Square

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



12.2980, 0.3919, 0.3534



12.2980, 0.3215, 0.3962



12.2980, 0.2395, 0.2965



12.2980, 0.2999, 0.2715

Rectangle

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



12.2980, 0.3919, 0.3534



12.2980, 0.3699, 0.3957



12.2980, 0.2395, 0.2965



12.2980, 0.2562, 0.2651

Sweetspot

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



12.2986, 0.3919, 0.3534



31.5865, 0.3310, 0.3358



11.1201, 0.3346, 0.2581



7.0805, 0.3330, 0.3365



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



12.2986, 0.3919, 0.3534



19.0035, 0.4187, 0.3591



16.8457, 0.3755, 0.3975



4.5053, 0.3272, 0.3344



5.5748, 0.6026, 0.3597



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.1681, 0.2581, 0.3028



24.8168, 0.2466, 0.2956



10.5762, 0.2506, 0.2492



4.7107, 0.2993, 0.3235



9.8496, 0.2024, 0.2488



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 12.2980, 0.3919, 0.3534 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 12.2980, 0.3919, 0.3534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

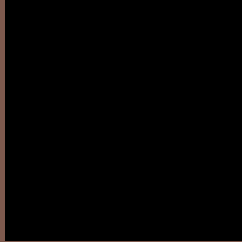
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2980, 0.3919, 0.3534

Background



This preview shows how black text looks on a background with the Yxy color 12.2980, 0.3919, 0.3534.



This preview shows how white text looks on a background with the Yxy color 12.2980, 0.3919, 0.3534.

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

12.2980, 0.3919, 0.3534

Protanopia

12.2876, 0.3449, 0.3654

Deuteranopia

12.3651, 0.3719, 0.3678



Tritanopia

12.3768, 0.3695, 0.3173

Trichromacy



Original Color

12.2980, 0.3919, 0.3534

Protanomaly

12.2232, 0.3608, 0.3597

Deuteranomaly

12.2865, 0.3798, 0.3628

Tritanomaly

12.3614, 0.3774, 0.3312

Monochromacy



Original Color

12.2980, 0.3919, 0.3534

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.3723, 0.3402, 0.3401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2980, 0.3919, 0.3534 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(126, 90, 78)` looks like.

```
.text, #text, p{  
    color:rgb(126, 90, 78)  
}
```

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(126, 90, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 90, 78) }
```

Border

The CSS property to change the border of an element to Yxy 12.2980, 0.3919, 0.3534 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(126, 90, 78) }
```

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

```
.border{ border-color:rgb(126, 90, 78) }
```

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

Here you see how a box with a 4 pixel rgb(126, 90, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 90, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 90, 78);  
box-shadow:4px 4px 4px 4px rgb(126, 90,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2980, 0.3919, 0.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 90, 78) }
```

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

```
.background{ background-color: rgb(126, 90,  
78) }
```

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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