

Converting Colors

$Y_{xy}(12.9354, 0.3803, 0.3589)$

Have a look what the booklet for
Yxy(12.9354, 0.3803, 0.3589)
contains.

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Color

Yxy(12.9746, 0.3802, 0.3599)

Conversions

Conversions Part 1

Format	Color
Hex	7B5F50
RGB	123, 95, 80
RGB Percent	48%, 37%, 31%
CMY	0.5177, 0.6274, 0.6863
CMYK	0.00, 0.23, 0.35, 0.52
HSL	21°, 21%, 40%
HSV	21°, 35%, 48%
XYZ	13.7064, 12.9746, 9.3695
YIQ	101.6620, 21.5030, 1.2710

Conversions

Conversions Part 2

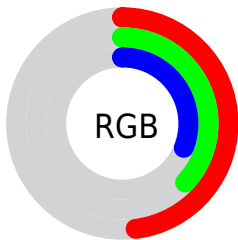
Format	Color
R_{YB}	123, 103, 80
Decimal	8085328
CIE Lab	42.72, 9.07, 12.95
CIE LCh	43, 15.815, 54.984
Yxy	12.9746, 0.3802, 0.3599
Android (android.graphics.Color)	4286275408 (0xFF7B5F50)
YUV	101.6620, -10.6794, 18.7134
Hunter-Lab	36.0203, 4.8873, 9.7918

Details

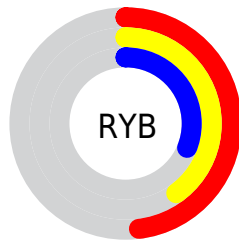
The Yxy color **12.9746, 0.3802, 0.3599** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **13.8519, 0.2612, 0.2956**, and the grayscale version is **13.2184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0659, 0.3630, 0.3525**, and **3.7344, 0.4159, 0.3743** is the 20% darker color. If you saturate the color by 10%, you get **11.4413, 0.4066, 0.3689**, and if you desaturate by 10%, it is **14.6905, 0.3572, 0.3507**.

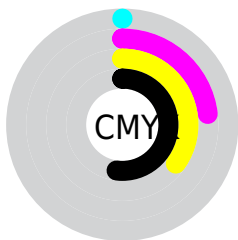
Distribution



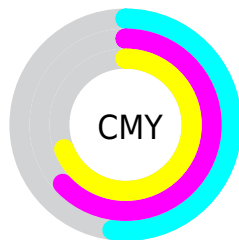
- Red (48%)
- Green (37%)
- Blue (31%)



- Red (48%)
- Yellow (40%)
- Blue (31%)



- Cyan (0%)
- Magenta (23%)
- Yellow (35%)
- Black (52%)



- Cyan (52%)
- Magenta (63%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9746, 0.3802, 0.3599 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 12.9746, 0.3802, 0.3599 by changing the saturation by 10% instead.


 12.9746, 0.3802,
0.3599


 12.9746, 0.3802,
0.3599


210.7548, 0.3391,
0.3421


 7.4111, 0.3941,
0.3652


 31.2581, 0.3629,
0.3528


 3.7205, 0.4150,
0.3725

 44.7469, 0.3572,
0.3503


 1.5185, 0.4539,
0.3863

 61.6463, 0.3527,
0.3483

 0.3017, 0.6275,
0.3725

 82.3405, 0.3489,
0.3466

 0.0000, 0.0000,
0.0000

 107.2141, 0.3459,
0.3452

136.6514, 0.3433,

0.3440

171.0369, 0.3410,
0.3430

■ 12.9746, 0.3802,
0.3599

■ 12.9746, 0.3802,
0.3599

■ 11.4413, 0.4066,
0.3689

■ 14.6905, 0.3572,
0.3507

■ 10.0825, 0.4361,
0.3771

■ 16.5932, 0.3373,
0.3417

■ 8.8921, 0.4682,
0.3835

■ 18.6888, 0.3202,
0.3331

■ 7.8631, 0.5015,
0.3871

■ 20.9828, 0.3056,
0.3250

■ 6.9877, 0.5339,
0.3868

■ 23.4804, 0.2932,
0.3176

■ 6.2565, 0.5629,
0.3821

■ 26.1866, 0.2825,
0.3108

■ 5.9350, 0.5775,
0.3796

■ 29.1061, 0.2733,
0.3045

■ 32.2436, 0.2654,
0.2988

■ 35.6037, 0.2585,
0.2936

Harmonies

Analogous

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



12.9746, 0.3727, 0.3324



12.9746, 0.3802, 0.3599



12.9746, 0.3685, 0.3814

Triad

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



12.9746, 0.3802, 0.3599



12.9746, 0.2771, 0.3535



12.9746, 0.2818, 0.2742

Complementary

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



12.9746, 0.3802, 0.3599



13.8519, 0.2612, 0.2956

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.



12.9746, 0.2586, 0.2766



12.9746, 0.3802, 0.3599



12.9746, 0.2560, 0.3208

Square

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



12.9746, 0.3802, 0.3599



12.9746, 0.3083, 0.3797



12.9746, 0.2495, 0.2929



12.9746, 0.3143, 0.2847

Rectangle

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



12.9746, 0.3802, 0.3599



12.9746, 0.3520, 0.3888



12.9746, 0.2495, 0.2929



12.9746, 0.2727, 0.2734

Sweetspot

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



12.9752, 0.3802, 0.3599



31.4482, 0.3289, 0.3375



11.0424, 0.3394, 0.2720



7.3046, 0.3309, 0.3385



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.



12.9752, 0.3802, 0.3599



20.9987, 0.4012, 0.3672



17.2374, 0.3670, 0.3994



4.2229, 0.3269, 0.3365



6.1319, 0.5778, 0.3794



27.7919, 0.5868, 0.3722

Inverse Universe

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



13.8519, 0.2612, 0.2956



22.8104, 0.2498, 0.2865



9.9765, 0.2550, 0.2470



4.2879, 0.2994, 0.3214



7.4083, 0.1929, 0.2145



33.6973, 0.1911, 0.2080

Previews

White Background



This preview shows how the Yxy color 12.9746, 0.3802, 0.3599 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 12.9746, 0.3802, 0.3599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

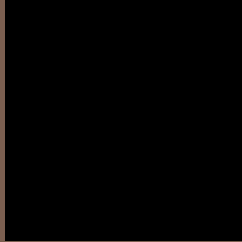
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9746, 0.3802, 0.3599

Background



This preview shows how black text looks on a background with the Yxy color 12.9746, 0.3802, 0.3599.



This preview shows how white text looks on a background with the Yxy color 12.9746, 0.3802, 0.3599.

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

12.9746, 0.3802, 0.3599

Protanopia

13.0577, 0.3469, 0.3689

Deuteranopia

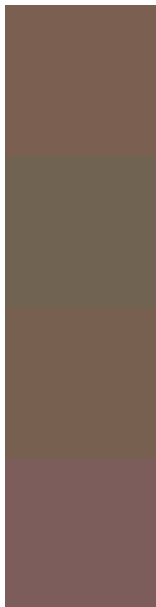
12.9801, 0.3709, 0.3649



Tritanopia

12.9151, 0.3547, 0.3151

Trichromacy



Original Color

12.9746, 0.3802, 0.3599

Protanomaly

13.0436, 0.3588, 0.3657

Deuteranomaly

12.9380, 0.3747, 0.3624

Tritanomaly

12.8865, 0.3639, 0.3312

Monochromacy



Original Color

12.9746, 0.3802, 0.3599

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.0468, 0.3364, 0.3399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9746, 0.3802, 0.3599 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(123, 95, 80)` looks like.

```
.text, #text, p{  
    color:rgb(123, 95, 80)  
}
```

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(123, 95, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 95, 80) }
```

Border

The CSS property to change the border of an element to Yxy 12.9746, 0.3802, 0.3599 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(123, 95, 80) }
```

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

```
.border{ border-color:rgb(123, 95, 80) }
```

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

Here you see how a box with a 4 pixel rgb(123, 95, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 95, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 95, 80);  
box-shadow:4px 4px 4px 4px rgb(123, 95,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9746, 0.3802, 0.3599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 95, 80) }
```

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

```
.background{ background-color: rgb(123, 95,  
80) }
```

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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