

Converting Colors

$Y_{xy}(12.7408, 0.3802, 0.3715)$

Have a look what the booklet for
Yxy(12.7408, 0.3802, 0.3715)
contains.

Yxy(12.7957, 0.3808, 0.3731)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.7957, 0.3808, 0.3731)

Conversions

Conversions Part 1

Format	Color
Hex	77604B
RGB	119, 96, 75
RGB Percent	47%, 38%, 29%
CMY	0.5334, 0.6235, 0.7058
CMYK	0.00, 0.19, 0.37, 0.53
HSL	29°, 23%, 38%
HSV	29°, 37%, 47%
XYZ	13.0598, 12.7957, 8.4402
YIQ	100.4830, 20.4490, -1.6550

Conversions

Conversions Part 2

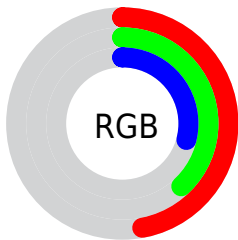
Format	Color
R_{YB}	119, 115, 75
Decimal	7823435
CIE _{Lab}	42.45, 6.05, 15.51
CIE _{LCh}	42, 16.646, 68.675
Yxy	12.7957, 0.3808, 0.3731
Android (android.graphics.Color)	4286013515 (0xFF77604B)
YUV	100.4830, -12.5631, 16.2394
Hunter-Lab	35.7711, 2.5697, 11.0503

Details

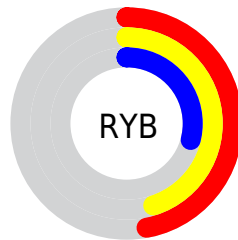
The Yxy color **12.7957, 0.3808, 0.3731** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.5622, 0.2567, 0.2801**, and the grayscale version is **12.9031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7837, 0.3635, 0.3618**, and **3.6453, 0.4138, 0.3926** is the 20% darker color. If you saturate the color by 10%, you get **11.5580, 0.4047, 0.3851**, and if you desaturate by 10%, it is **14.1549, 0.3593, 0.3607**.

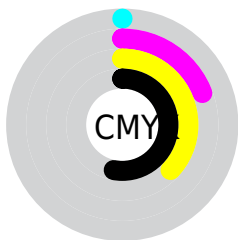
Distribution



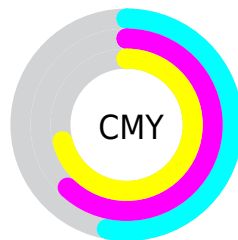
- Red (47%)
- Green (38%)
- Blue (29%)



- Red (47%)
- Yellow (45%)
- Blue (29%)



- Cyan (0%)
- Magenta (19%)
- Yellow (37%)
- Black (53%)



- Cyan (53%)
- Magenta (62%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7957, 0.3808, 0.3731 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 12.7957, 0.3808, 0.3731 by changing the saturation by 10% instead.


 12.7957, 0.3808,
0.3731

 12.7957, 0.3808,
0.3731


209.6042, 0.3394,
0.3472


 7.2880, 0.3947,
0.3812


 30.9363, 0.3635,
0.3626

 3.6429, 0.4154,
0.3925

 44.3379, 0.3577,
0.3590

 1.4759, 0.4613,
0.4200

 61.1397, 0.3531,
0.3561

 0.2716, 0.5991,
0.4009

 81.7260, 0.3494,
0.3536

 0.0000, 0.0000,
0.0000

 106.4812, 0.3462,
0.3516

135.7897, 0.3436,

0.3499

170.0359, 0.3414,
0.3485

■ 12.7957, 0.3808,
0.3731

■ 12.7957, 0.3808,
0.3731

■ 11.5580, 0.4047,
0.3851

■ 14.1549, 0.3593,
0.3607

■ 10.4362, 0.4305,
0.3960

■ 15.6373, 0.3401,
0.3485

■ 9.4269, 0.4576,
0.4048


■ 17.2469, 0.3232,
0.3368


■ 8.5257, 0.4848,
0.4104


■ 18.9870, 0.3084,
0.3257

■ 7.7280, 0.5105,
0.4118


■ 20.8607, 0.2955,
0.3154


 7.0260, 0.5341,
0.4090

 22.8709, 0.2843,
0.3058

 6.8282, 0.5416,
0.4082

 25.0207, 0.2744,
0.2970

 27.3128, 0.2658,
0.2890

 29.7499, 0.2582,
0.2816

Harmonies

Analogous

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



12.7957, 0.3824, 0.3460



12.7957, 0.3808, 0.3731



12.7957, 0.3603, 0.3906

Triad

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



12.7957, 0.3808, 0.3731



12.7957, 0.2632, 0.3392



12.7957, 0.2948, 0.2747

Complementary

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



12.7957, 0.3808, 0.3731



11.5622, 0.2567, 0.2801

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.



12.7957, 0.2651, 0.2708



12.7957, 0.3808, 0.3731



12.7957, 0.2478, 0.3055

Square

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



12.7957, 0.3808, 0.3731



12.7957, 0.2921, 0.3718



12.7957, 0.2485, 0.2812



12.7957, 0.3311, 0.2912

Rectangle

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



12.7957, 0.3808, 0.3731



12.7957, 0.3392, 0.3931



12.7957, 0.2485, 0.2812



12.7957, 0.2838, 0.2719

Sweetspot

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



12.7963, 0.3808, 0.3731



29.6166, 0.3302, 0.3418



9.8456, 0.3517, 0.2804



6.9462, 0.3320, 0.3430



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.



12.7963, 0.3808, 0.3731



21.0937, 0.4001, 0.3830



17.2740, 0.3664, 0.4137



3.9625, 0.3265, 0.3392



7.2370, 0.5420, 0.4078



33.5716, 0.5502, 0.4013

Inverse Universe

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



11.5622, 0.2567, 0.2801



18.5515, 0.2443, 0.2671



8.0630, 0.2496, 0.2274



3.8770, 0.2995, 0.3186



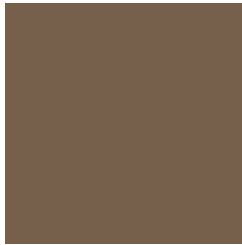
5.0780, 0.1809, 0.1711



23.0202, 0.1784, 0.1624

Previews

White Background



This preview shows how the Yxy color 12.7957, 0.3808, 0.3731 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 12.7957, 0.3808, 0.3731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

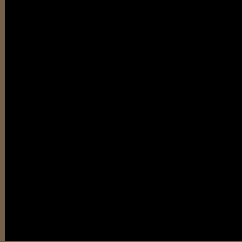
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7957, 0.3808, 0.3731

Background



This preview shows how black text looks on a background with the Yxy color 12.7957, 0.3808, 0.3731.



This preview shows how white text looks on a background with the Yxy color 12.7957, 0.3808, 0.3731.

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

12.7957, 0.3808, 0.3731

Protanopia

12.7760, 0.3560, 0.3803

Deuteranopia

12.7253, 0.3792, 0.3734



Tritanopia

12.8864, 0.3480, 0.3149

Trichromacy



Original Color

12.7957, 0.3808, 0.3731

Protanomaly

12.8250, 0.3644, 0.3793

Deuteranomaly

12.7253, 0.3792, 0.3734

Tritanomaly

12.8257, 0.3602, 0.3353

Monochromacy



Original Color

12.7957, 0.3808, 0.3731

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.8048, 0.3361, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7957, 0.3808, 0.3731 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(119, 96, 75)` looks like.

```
.text, #text, p{  
    color:rgb(119, 96, 75)  
}
```

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(119, 96, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 96, 75) }
```

Border

The CSS property to change the border of an element to Yxy 12.7957, 0.3808, 0.3731 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(119, 96, 75) }
```

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

```
.border{ border-color:rgb(119, 96, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 96, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 96, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 96, 75);  
box-shadow:4px 4px 4px 4px rgb(119, 96,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7957, 0.3808, 0.3731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 96, 75) }
```

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

```
.background{ background-color: rgb(119, 96,  
75) }
```

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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