

Converting Colors

$Y_{xy}(10.1830, 0.3798, 0.3271)$

Have a look what the booklet for
Yxy(10.1830, 0.3798, 0.3271)
contains.

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Color

Yxy(10.1830, 0.3798, 0.3271)

Conversions

Conversions Part 1

Format	Color
Hex	765051
RGB	118, 80, 81
RGB Percent	46%, 31%, 32%
CMY	0.5373, 0.6862, 0.6824
CMYK	0.00, 0.32, 0.31, 0.54
HSL	358°, 19%, 39%
HSV	358°, 32%, 46%
XYZ	11.8236, 10.1830, 9.1245
YIQ	91.4760, 22.3270, 8.3670

Conversions

Conversions Part 2

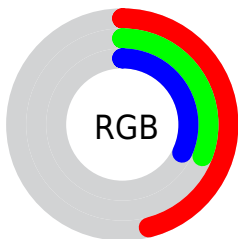
Format	Color
R_{YB}	118, 80, 81
Decimal	7753809
CIE Lab	38.17, 16.11, 5.87
CIE LCh	38, 17.148, 20.029
Yxy	10.1830, 0.3798, 0.3271
Android (android.graphics.Color)	4285943889 (0xFF765051)
YUV	91.4760, -5.1647, 23.2615
Hunter-Lab	31.9108, 10.2940, 5.3843

Details

The Yxy color **10.1830, 0.3798, 0.3271** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **15.9448, 0.2698, 0.3310**, and the grayscale version is **10.5843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2349, 0.3614, 0.3291**, and **2.5646, 0.4173, 0.3224** is the 20% darker color. If you saturate the color by 10%, you get **8.4464, 0.4113, 0.3265**, and if you desaturate by 10%, it is **12.2532, 0.3539, 0.3277**.

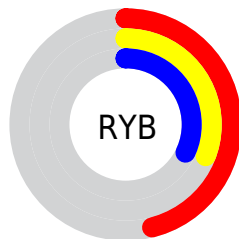
Distribution



Red (46%)

Green (31%)

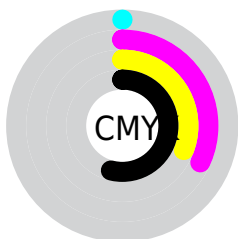
Blue (32%)



Red (46%)

Yellow (31%)

Blue (32%)

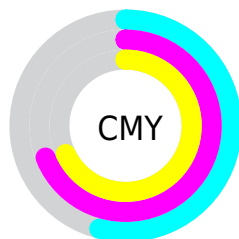


Cyan (0%)

Magenta (32%)

Yellow (31%)

Black (54%)



Cyan (54%)


Magenta (69%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1830, 0.3798, 0.3271 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 10.1830, 0.3798, 0.3271 by changing the saturation by 10% instead.


 10.1830, 0.3798,
0.3271


 10.1830, 0.3798,
0.3271


191.9732, 0.3376,
0.3290


 5.5205, 0.3952,
0.3259

 26.1391, 0.3615,
0.3282


 2.5558, 0.4197,
0.3234

 38.2015, 0.3556,
0.3284


 0.9045, 0.4723,
0.3228

 53.4993, 0.3510,
0.3286

 0.0000, 1.0000,
0.0000

 72.4169, 0.3473,
0.3287

 0.0000, 0.0000,
0.0000

 95.3387, 0.3442,
0.3288

122.6491, 0.3417,

0.3289

154.7325, 0.3395,
0.3289

■ 10.1830, 0.3798,
0.3271

■ 10.1830, 0.3798,
0.3271

■ 8.4464, 0.4113,
0.3265

■ 12.2532, 0.3539,
0.3277

■ 7.0247, 0.4488,
0.3261

■ 14.6717, 0.3329,
0.3283

■ 5.8994, 0.4914,
0.3259

■ 17.4540, 0.3160,
0.3289


■ 5.0496, 0.5366,
0.3260


■ 20.6142, 0.3023,
0.3294

■ 4.4516, 0.5794,
0.3266

■ 24.1658, 0.2911,
0.3299


 4.0774, 0.6135,
0.3276

 28.1214, 0.2820,
0.3303

 3.8574, 0.6355,
0.3274

 32.4934, 0.2745,
0.3308

 37.2933, 0.2683,
0.3311

 42.5323, 0.2632,
0.3314

Harmonies

Analogous

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



10.1830, 0.3480, 0.2969



10.1830, 0.3798, 0.3271



10.1830, 0.3923, 0.3594

Triad

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



10.1830, 0.3798, 0.3271



10.1830, 0.3138, 0.3928



10.1830, 0.2467, 0.2697

Complementary

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



10.1830, 0.3798, 0.3271



15.9448, 0.2698, 0.3310

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.



10.1830, 0.2391, 0.2908



10.1830, 0.3798, 0.3271



10.1830, 0.2762, 0.3640

Square

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



10.1830, 0.3798, 0.3271



10.1830, 0.3526, 0.4004



10.1830, 0.2495, 0.3253



10.1830, 0.2710, 0.2646

Rectangle

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



10.1830, 0.3798, 0.3271



10.1830, 0.3877, 0.3787



10.1830, 0.2495, 0.3253



10.1830, 0.2422, 0.2750

Sweetspot

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



10.1835, 0.3798, 0.3271



26.7010, 0.3294, 0.3284



10.8093, 0.3142, 0.2528



6.0215, 0.3314, 0.3284



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



10.1835, 0.3798, 0.3271



15.4829, 0.4038, 0.3267



13.1157, 0.3704, 0.3664



3.7022, 0.3272, 0.3285



4.1737, 0.6356, 0.3275



20.3196, 0.6382, 0.3289

Inverse Universe

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



10.1835, 0.3798, 0.3271



15.4829, 0.4038, 0.3267



12.1790, 0.2642, 0.2883



3.7022, 0.3272, 0.3285



4.1737, 0.6356, 0.3275



20.3196, 0.6382, 0.3289

Previews

White Background



This preview shows how the Yxy color 10.1830, 0.3798, 0.3271 looks on a white background.

Color Contrast Check

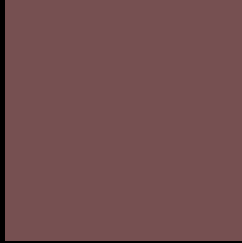
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.1830, 0.3798, 0.3271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

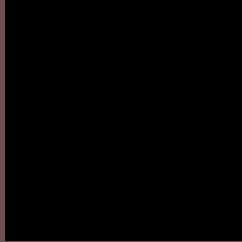
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1830, 0.3798, 0.3271

Background



This preview shows how black text looks on a background with the Yxy color 10.1830, 0.3798, 0.3271.



This preview shows how white text looks on a background with the Yxy color 10.1830, 0.3798, 0.3271.

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

10.1830, 0.3798, 0.3271

Protanopia

10.3114, 0.3236, 0.3388

Deuteranopia

10.2791, 0.3512, 0.3455



Tritanopia

10.0994, 0.3730, 0.3164

Trichromacy



Original Color

10.1830, 0.3798, 0.3271

Protanomaly

10.1205, 0.3433, 0.3338

Deuteranomaly

10.1080, 0.3615, 0.3383

Tritanomaly

10.0836, 0.3748, 0.3185

Monochromacy



Original Color

10.1830, 0.3798, 0.3271

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.2712, 0.3363, 0.3291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1830, 0.3798, 0.3271 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(118, 80, 81)` looks like.

```
.text, #text, p{  
    color:rgb(118, 80, 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(118, 80, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 80, 81) }
```

Border

The CSS property to change the border of an element to Yxy 10.1830, 0.3798, 0.3271 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(118, 80, 81) }
```

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

```
.border{ border-color:rgb(118, 80, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 80, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 80, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 80, 81);  
box-shadow:4px 4px 4px 4px rgb(118, 80,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1830, 0.3798, 0.3271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 80, 81) }
```

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

```
.background{ background-color: rgb(118, 80,  
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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