

Converting Colors

XYZ(12.4229, 10.9124, 7.2542)

Have a look what the booklet for
XYZ(12.4229, 10.9124, 7.2542)
contains.

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Color

**XYZ(12.3671, 10.8397,
7.2348)**

Conversions

Conversions Part 1

Format	Color
Hex	7B5346
RGB	123, 83, 70
RGB Percent	48%, 33%, 27%
CMY	0.5176, 0.6745, 0.7255
CMYK	0.00, 0.33, 0.43, 0.52
HSL	15°, 27%, 38%
HSV	15°, 43%, 48%
XYZ	12.3671, 10.8397, 7.2348
YIQ	93.4780, 28.0130, 4.4370

Conversions

Conversions Part 2

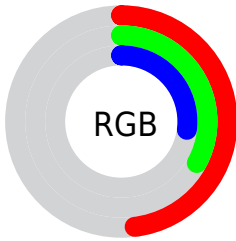
Format	Color
R_{YB}	123, 87, 70
Decimal	8082246
CIE _{Lab}	39.31, 14.96, 14.35
CIE _{LCh}	39, 20.735, 43.810
Yxy	10.8397, 0.4063, 0.3561
Android (android.graphics.Color)	4286272326 (0xFF7B5346)
YUV	93.4780, -11.5747, 25.8908
Hunter-Lab	32.9237, 9.4333, 10.0179

Details

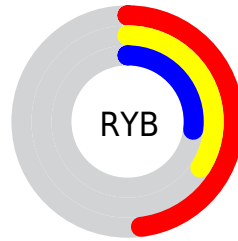
The XYZ color **12.3671, 10.8397, 7.2348** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **11.6765, 13.8832, 20.8031**, and the grayscale version is **10.5383, 11.0872, 12.0739**.

A 20% lighter version of the original color is **29.7890, 27.4302, 20.8640**, and **3.5634, 2.8431, 1.3979** is the 20% darker color. If you saturate the color by 10%, you get **11.3547, 9.3738, 5.1741**, and if you desaturate by 10%, it is **13.5547, 12.5286, 9.7466**.

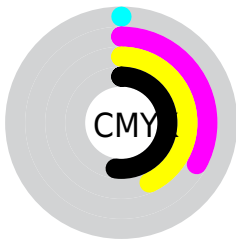
Distribution



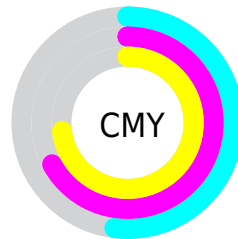
- Red (48%)
- Green (33%)
- Blue (27%)



- Red (48%)
- Yellow (34%)
- Blue (27%)



- Cyan (0%)
- Magenta (33%)
- Yellow (43%)
- Black (52%)



- Cyan (52%)
- Magenta (67%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3671, 10.8397, 7.2348 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 XYZ color 12.3671, 10.8397, 7.2348 by changing the saturation by 10% instead.

■ 12.3671, 10.8397,
7.2348

■ 12.3671, 10.8397,
7.2348

200.5413,
196.5645, 179.3050

■ 7.0682, 5.9591,
3.5287

■ 29.7731, 27.3634,
20.9649

■ 3.5515, 2.8203,
1.3705

■ 42.6108, 39.7753,
31.8260

■ 1.4517, 1.0386,
0.1186

■ 58.6922, 55.4664,
45.9091

■ 0.2926, 0.0000,
0.0000

■ 78.3826, 74.8212,
63.6329

■ 0.0000, 0.0000,
0.0000

■ 102.0473, 98.2240,
85.4158

130.0518,

126.0592, 111.6765

162.7614,
158.7112, 142.8333

■ 12.3671, 10.8397,
7.2348

■ 12.3671, 10.8397,
7.2348

■ 11.3547, 9.3738,
5.1741

■ 13.5547, 12.5286,
9.7466

■ 10.5080, 8.1200,
3.5368

■ 14.9248, 14.4480,
12.7337

■ 9.8179, 7.0686,
2.2932

■ 16.4851, 16.6066,
16.2191

■ 9.2740, 6.2086,
1.4094

■ 18.2426, 19.0125,
20.2243

■ 8.8639, 5.5275,
0.8438

■ 20.2041, 21.6732,
24.7695

■ 8.6371, 5.1485,
0.5385

■ 22.3759, 24.5960,
29.8738

■ 24.7642, 27.7879,
35.5555

■ 27.3748, 31.2555,
41.8317

■ 30.2133, 35.0053,
48.7193

Harmonies

Analogous

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



13.1401, 10.8397, 10.0585



12.3671, 10.8397, 7.2348



11.0707, 10.8397, 5.8453

Triad

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



12.3671, 10.8397, 7.2348



7.9308, 10.8397, 9.7834



10.9579, 10.8397, 20.9689

Complementary

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



12.3671, 10.8397, 7.2348



11.6765, 13.8832, 20.8031

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.



9.5713, 10.8397, 20.8477



12.3671, 10.8397, 7.2348



7.9065, 10.8397, 13.7374

Square

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



12.3671, 10.8397, 7.2348



8.5516, 10.8397, 7.0728



8.4820, 10.8397, 17.9749



12.2781, 10.8397, 18.2759

Rectangle

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



12.3671, 10.8397, 7.2348



10.1252, 10.8397, 5.6667



8.4820, 10.8397, 17.9749



10.4825, 10.8397, 21.2719

Sweetspot

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



12.3674, 10.8402, 7.2350



29.4524, 29.6443, 28.8900



13.2076, 9.7310, 16.1154



6.8061, 6.8021, 6.5105



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.3674, 10.8402, 7.2350



20.3021, 16.7403, 9.2031



14.7282, 15.5619, 8.0220



4.0708, 4.1601, 4.2129



8.9312, 5.3183, 0.5558



42.0273, 24.2181, 2.4595

Inverse Universe

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



11.6765, 13.8832, 20.8031



18.8724, 22.9446, 36.9907



9.2817, 9.0936, 20.0048



4.0277, 4.3538, 5.0713



7.7274, 9.5372, 20.8189



36.1667, 44.1059, 99.0769

Previews

White Background



This preview shows how the XYZ color 12.3671, 10.8397, 7.2348 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 XYZ color 12.3671, 10.8397, 7.2348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

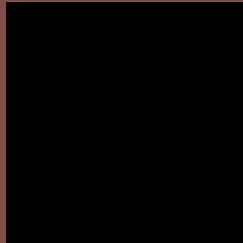
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3671, 10.8397, 7.2348

Background



This preview shows how black text looks on a background with the XYZ color 12.3671, 10.8397, 7.2348.

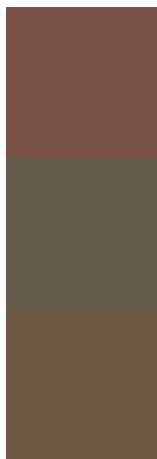


This preview shows how white text looks on a background with the XYZ color 12.3671, 10.8397,

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

12.3671, 10.8397, 7.2348

Protanopia

10.2960, 10.9758, 8.0544

Deuteranopia

11.0770, 10.8894, 7.1483



Tritanopia

12.9749, 10.8581, 10.4288

Trichromacy



Original Color

12.3671, 10.8397, 7.2348

Protanomaly

10.9593, 10.8139, 7.8130

Deuteranomaly

11.5526, 10.8909, 7.1235

Tritanomaly

12.8147, 10.9138, 9.2157

Monochromacy



Original Color

12.3671, 10.8397, 7.2348

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.9210, 10.7437, 10.0925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3671, 10.8397, 7.2348 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, 83, 70)` looks like.

```
.text, #text, p{  
    color:rgb(123, 83, 70)  
}
```

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, 83, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 83, 70) }
```

Border

The CSS property to change the border of an element to XYZ 12.3671, 10.8397, 7.2348 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, 83, 70) }
```


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

```
.border{ border-color:rgb(123, 83, 70) }
```

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

Here you see how a box with a 4 pixel rgb(123, 83, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 83, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 83, 70);  
box-shadow:4px 4px 4px 4px rgb(123, 83,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3671, 10.8397, 7.2348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 83, 70) }
```

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

```
.background{ background-color: rgb(123, 83,  
70) }
```

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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