

Converting Colors

XYZ(12.4520, 11.7689, 7.6426)

Have a look what the booklet for
XYZ(12.4520, 11.7689, 7.6426)
contains.

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Color

**XYZ(12.4012, 11.6892,
7.5639)**

Conversions

Conversions Part 1

Format	Color
Hex	775A47
RGB	119, 90, 71
RGB Percent	47%, 35%, 28%
CMY	0.5333, 0.6470, 0.7216
CMYK	0.00, 0.24, 0.40, 0.53
HSL	24°, 25%, 37%
HSV	24°, 40%, 47%
XYZ	12.4012, 11.6892, 7.5639
YIQ	96.5050, 23.3830, 0.2390

Conversions

Conversions Part 2

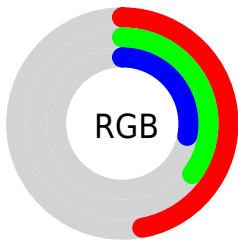
Format	Color
R_{YB}	119, 102, 71
Decimal	7821895
CIE _{Lab}	40.72, 9.12, 15.57
CIE _{LCh}	41, 18.049, 59.634
Yxy	11.6892, 0.3918, 0.3693
Android (android.graphics.Color)	4286011975 (0xFF775A47)
YUV	96.5050, -12.5740, 19.7281
Hunter-Lab	34.1895, 4.9139, 10.8156

Details

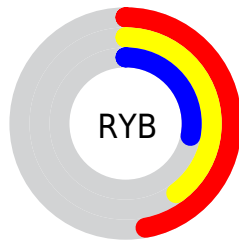
The XYZ color **12.4012, 11.6892, 7.5639** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **10.4853, 11.7853, 19.1748**, and the grayscale version is **11.2671, 11.8538, 12.9088**.

A 20% lighter version of the original color is **29.7815, 28.8829, 21.7746**, and **3.5528, 3.1457, 1.4568** is the 20% darker color. If you saturate the color by 10%, you get **11.4788, 10.3969, 5.5532**, and if you desaturate by 10%, it is **13.4577, 13.1299, 9.9886**.

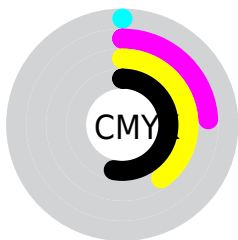
Distribution



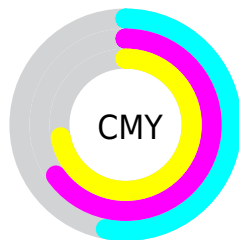
- Red (47%)
- Green (35%)
- Blue (28%)



- Red (47%)
- Yellow (40%)
- Blue (28%)



- Cyan (0%)
- Magenta (24%)
- Yellow (40%)
- Black (53%)



- Cyan (53%)
- Magenta (65%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4012, 11.6892, 7.5639 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 12.4012, 11.6892, 7.5639 by changing the saturation by 10% instead.

■ 12.4012, 11.6892,
7.5639

■ 12.4012, 11.6892,
7.5639

200.7597,
202.3367, 182.0753

■ 7.0917, 6.5324,
3.7334

■ 29.8343, 28.9278,
21.6308

■ 3.5663, 3.1714,
1.4803

■ 42.6886, 41.7783,
32.7044

■ 1.4598, 1.2219,
0.2032

■ 58.7884, 57.9623,
47.0294

■ 0.2983, 0.0795,
0.0000

■ 78.4993, 77.8640,
65.0245

■ 0.0000, 0.0000,
0.0000

■ 102.1865,
101.8680, 87.1080

130.2154,

130.3584, 113.6986

162.9513,
163.7199, 145.2149

■ 12.4012, 11.6892,
7.5639

■ 12.4012, 11.6892,
7.5639

■ 11.4788, 10.3969,
5.5532

■ 13.4577, 13.1299,
9.9886

■ 10.6836, 9.2462,
3.9323

■ 14.6530, 14.7220,
12.8484

■ 10.0092, 8.2323,
2.6751

■ 15.9926, 16.4708,
16.1638

■ 9.4484, 7.3494,
1.7525

■ 17.4817, 18.3805,
19.9538

■ 8.9930, 6.5911,
1.1303

■ 19.1248, 20.4554,
24.2361

■ 8.6287, 5.9638,
0.6964

■ 20.9265, 22.6994,
29.0277

■ 22.8912, 25.1164,
34.3448

■ 25.0229, 27.7101,
40.2027

■ 27.3256, 30.4842,
46.6163

Harmonies

Analogous

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



13.3893, 11.6892, 9.5513



12.4012, 11.6892, 7.5639



11.1260, 11.6892, 6.9010

Triad

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



12.4012, 11.6892, 7.5639



8.8267, 11.6892, 12.6826



12.3719, 11.6892, 19.8884

Complementary

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



12.4012, 11.6892, 7.5639



10.4853, 11.7853, 19.1748

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.



11.0945, 11.6892, 21.1555



12.4012, 11.6892, 7.5639



9.1057, 11.6892, 16.5399

Square

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



12.4012, 11.6892, 7.5639



9.1194, 11.6892, 9.4870



9.9121, 11.6892, 19.8279



13.3715, 11.6892, 16.6329

Rectangle

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



12.4012, 11.6892, 7.5639



10.3037, 11.6892, 7.1769



9.9121, 11.6892, 19.8279



11.9577, 11.6892, 20.5859

Sweetspot

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



12.4015, 11.6898, 7.5641



28.1452, 28.8555, 27.7096



12.1904, 9.3603, 13.3736



6.6125, 6.7635, 6.4231



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.4015, 11.6898, 7.5641



20.7284, 18.8636, 10.3107



14.6949, 16.2765, 8.3286



3.7919, 3.9168, 3.8984



9.1586, 6.3184, 0.7369



43.8441, 29.2167, 3.3286

Inverse Universe

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



10.4853, 11.7853, 19.1748



16.8060, 19.0488, 34.0441



8.5544, 7.9236, 18.5311



3.6674, 3.9235, 4.6542



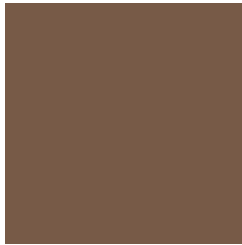
5.9826, 6.3050, 19.4442



28.3007, 29.0181, 94.4697

Previews

White Background



This preview shows how the XYZ color 12.4012, 11.6892, 7.5639 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 12.4012, 11.6892, 7.5639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

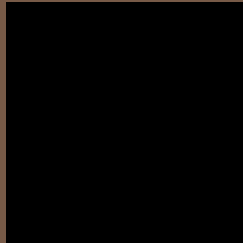
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4012, 11.6892, 7.5639

Background



This preview shows how black text looks on a background with the XYZ color 12.4012, 11.6892, 7.5639.



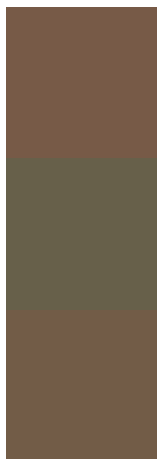
This preview shows how white text looks on a background with the XYZ color 12.4012, 11.6892,

7.5639.

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

12.4012, 11.6892, 7.5639

Protanopia

11.0124, 11.7437, 8.1649

Deuteranopia

11.9039, 11.6866, 7.5896



Tritanopia

13.3137, 11.6895, 12.1443

Trichromacy



Original Color

12.4012, 11.6892, 7.5639

Protanomaly

11.5120, 11.7377, 7.9622

Deuteranomaly

12.0809, 11.6501, 7.5732

Tritanomaly

12.9152, 11.6444, 10.3710

Monochromacy



Original Color

12.4012, 11.6892, 7.5639

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.5899, 11.7132, 10.8826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4012, 11.6892, 7.5639 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, 90, 71)` looks like.

```
.text, #text, p{  
    color:rgb(119, 90, 71)  
}
```

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, 90, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 90, 71) }
```

Border

The CSS property to change the border of an element to XYZ 12.4012, 11.6892, 7.5639 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, 90, 71) }
```


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

```
.border{ border-color:rgb(119, 90, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 90, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 90, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 90, 71);  
box-shadow:4px 4px 4px 4px rgb(119, 90,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4012, 11.6892, 7.5639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 90, 71) }
```

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

```
.background{ background-color: rgb(119, 90,  
71) }
```

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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