

Converting Colors

XYZ(12.3560, 11.2860, 7.4417)

Have a look what the booklet for
XYZ(12.3560, 11.2860, 7.4417)
contains.

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Color

**XYZ(12.4307, 11.3363,
7.4942)**

Conversions

Conversions Part 1

Format	Color
Hex	795747
RGB	121, 87, 71
RGB Percent	47%, 34%, 28%
CMY	0.5255, 0.6588, 0.7216
CMYK	0.00, 0.28, 0.41, 0.53
HSL	19°, 26%, 38%
HSV	19°, 41%, 47%
XYZ	12.4307, 11.3363, 7.4942
YIQ	95.3420, 25.4000, 2.2320

Conversions

Conversions Part 2

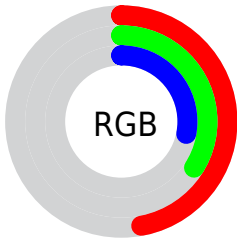
Format	Color
R_{YB}	121, 95, 71
Decimal	7952199
CIE Lab	40.14, 11.81, 14.83
CIE LCh	40, 18.960, 51.470
Yxy	11.3363, 0.3976, 0.3626
Android (android.graphics.Color)	4286142279 (0xFF795747)
YUV	95.3420, -12.0006, 22.5021
Hunter-Lab	33.6694, 6.9804, 10.3717

Details

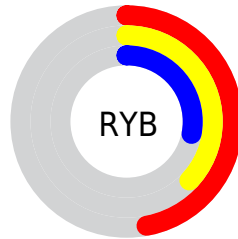
The XYZ color **12.4307, 11.3363, 7.4942** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **11.1011, 12.8227, 19.9791**, and the grayscale version is **10.9832, 11.5552, 12.5836**.

A 20% lighter version of the original color is **29.9546, 28.3372, 21.3436**, and **3.5893, 3.0046, 1.4277** is the 20% darker color. If you saturate the color by 10%, you get **11.4519, 9.9394, 5.4391**, and if you desaturate by 10%, it is **13.5634, 12.9171, 9.9824**.

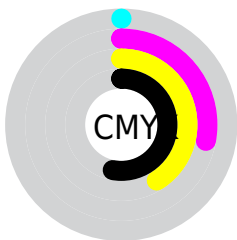
Distribution



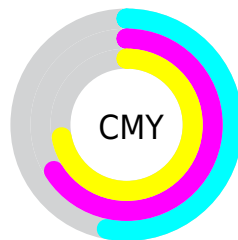
- Red (47%)
- Green (34%)
- Blue (28%)



- Red (47%)
- Yellow (37%)
- Blue (28%)



- Cyan (0%)
- Magenta (28%)
- Yellow (41%)
- Black (53%)



- Cyan (53%)
- Magenta (66%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4307, 11.3363, 7.4942 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 12.4307, 11.3363, 7.4942 by changing the saturation by 10% instead.

■ 12.4307, 11.3363,
7.4942

■ 12.4307, 11.3363,
7.4942

200.9484,
199.9605, 181.4930

■ 7.1120, 6.2935,
3.6899

■ 29.8872, 28.2804,
21.4903

■ 3.5792, 3.0244,
1.4568

■ 42.7558, 40.9505,
32.5192

■ 1.4669, 1.1445,
0.1855

■ 58.8717, 56.9318,
46.7934

■ 0.3032, 0.0156,
0.0000

■ 78.6002, 76.6087,
64.7315

■ 0.0000, 0.0000,
0.0000

■ 102.3068,
100.3656, 86.7520

130.3568,

128.5870, 113.2733

163.1155,
161.6571, 144.7142

■ 12.4307, 11.3363,
7.4942

■ 12.4307, 11.3363,
7.4942

■ 11.4519, 9.9394,
5.4391

■ 13.5634, 12.9171,
9.9824

■ 10.6189, 8.7179,
3.7914

■ 14.8558, 14.6867,
12.9262

■ 9.9243, 7.6649,
2.5233

■ 16.3144, 16.6519,
16.3473

■ 9.3594, 6.7723,
1.6037

■ 17.9450, 18.8184,
20.2658

■ 8.9145, 6.0316,
0.9960

■ 19.7534, 21.1921,
24.7005

■ 8.6017, 5.4981,
0.6079

■ 21.7447, 23.7783,
29.6695

■ 23.9241, 26.5822,
35.1898

■ 26.2966, 29.6089,
41.2777

■ 28.8667, 32.8631,
47.9488

Harmonies

Analogous

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



13.3077, 11.3363, 9.8742



12.4307, 11.3363, 7.4942



11.1548, 11.3363, 6.4700

Triad

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



12.4307, 11.3363, 7.4942



8.4592, 11.3363, 11.2984



11.7286, 11.3363, 20.3985

Complementary

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



12.4307, 11.3363, 7.4942



11.1011, 12.8227, 19.9791

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.



10.4035, 11.3363, 20.9956



12.4307, 11.3363, 7.4942



8.5856, 11.3363, 15.1930

Square

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



12.4307, 11.3363, 7.4942



8.9125, 11.3363, 8.3539



9.2729, 11.3363, 18.9313



12.8800, 11.3363, 17.4353

Rectangle

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



12.4307, 11.3363, 7.4942



10.2790, 11.3363, 6.5121



9.2729, 11.3363, 18.9313



11.2863, 11.3363, 20.9036

Sweetspot

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



12.4310, 11.3368, 7.4944



28.9458, 29.4591, 28.6357



12.6968, 9.5949, 14.5924



6.5583, 6.6551, 6.4050



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.



12.4310, 11.3368, 7.4944



20.5190, 17.8158, 9.7640



14.7983, 16.0715, 8.2835



4.0934, 4.2052, 4.2204



9.2086, 5.8732, 0.6483



43.2355, 26.6345, 2.8622

Inverse Universe

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



11.1011, 12.8227, 19.9791



17.7689, 20.8567, 35.4821



8.9307, 8.4820, 19.2556



4.0040, 4.3064, 5.0634



6.9437, 7.9699, 20.5577



32.3283, 36.4293, 97.7975

Previews

White Background



This preview shows how the XYZ color 12.4307, 11.3363, 7.4942 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 12.4307, 11.3363, 7.4942 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 12.4307, 11.3363, 7.4942

Background



This preview shows how black text looks on a background with the XYZ color 12.4307, 11.3363, 7.4942.



This preview shows how white text looks on a background with the XYZ color 12.4307, 11.3363,

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

12.4307, 11.3363, 7.4942

Protanopia

10.6951, 11.4455, 8.1241

Deuteranopia

11.5287, 11.3691, 7.3812



Tritanopia

13.2270, 11.3069, 11.3828

Trichromacy



Original Color

12.4307, 11.3363, 7.4942

Protanomaly

11.2141, 11.3235, 7.8979

Deuteranomaly

11.8319, 11.3994, 7.3710

Tritanomaly

12.8748, 11.2747, 9.8852

Monochromacy



Original Color

12.4307, 11.3363, 7.4942

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.2158, 11.2692, 10.3881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4307, 11.3363, 7.4942 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(121, 87, 71)` looks like.

```
.text, #text, p{  
    color:rgb(121, 87, 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(121, 87, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 87, 71) }
```

Border

The CSS property to change the border of an element to XYZ 12.4307, 11.3363, 7.4942 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(121, 87, 71) }
```


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

```
.border{ border-color:rgb(121, 87, 71) }
```

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

Here you see how a box with a 4 pixel rgb(121, 87, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 87, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 87, 71);  
box-shadow:4px 4px 4px 4px rgb(121, 87,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4307, 11.3363, 7.4942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 87, 71) }
```

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

```
.background{ background-color: rgb(121, 87,  
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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