

Converting Colors

XYZ(12.6818, 11.1979, 7.4526)

Have a look what the booklet for
XYZ(12.6818, 11.1979, 7.4526)
contains.

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Color

**XYZ(12.6980, 11.2370,
7.4609)**

Conversions

Conversions Part 1

Format	Color
Hex	7C5547
RGB	124, 85, 71
RGB Percent	49%, 33%, 28%
CMY	0.5137, 0.6667, 0.7216
CMYK	0.00, 0.31, 0.43, 0.51
HSL	16°, 27%, 38%
HSV	16°, 43%, 49%
XYZ	12.6980, 11.2370, 7.4609
YIQ	95.0650, 27.7380, 3.9140

Conversions

Conversions Part 2

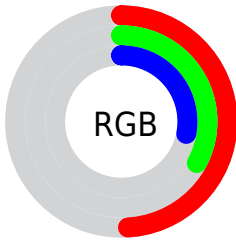
Format	Color
R_{YB}	124, 90, 71
Decimal	8148295
CIE _{Lab}	39.98, 14.33, 14.67
CIE _{LCh}	40, 20.504, 45.681
Yxy	11.2370, 0.4044, 0.3579
Android (android.graphics.Color)	4286338375 (0xFF7C5547)
YUV	95.0650, -11.8640, 25.3760
Hunter-Lab	33.5216, 8.9530, 10.2690

Details

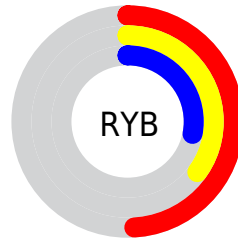
The XYZ color **12.6980, 11.2370, 7.4609** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **11.8123, 13.9461, 21.1381**, and the grayscale version is **10.9159, 11.4844, 12.5065**.

A 20% lighter version of the original color is **30.3538, 28.1248, 21.2816**, and **3.6710, 2.9466, 1.4122** is the 20% darker color. If you saturate the color by 10%, you get **11.6674, 9.7490, 5.3504**, and if you desaturate by 10%, it is **13.9030, 12.9439, 10.0306**.

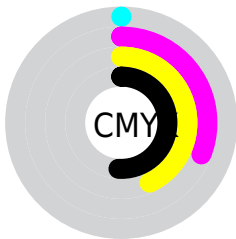
Distribution



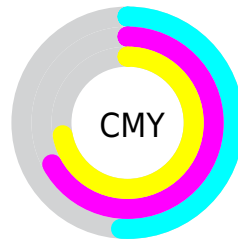
- Red (49%)
- Green (33%)
- Blue (28%)



- Red (49%)
- Yellow (35%)
- Blue (28%)



- Cyan (0%)
- Magenta (31%)
- Yellow (43%)
- Black (51%)





- Cyan (51%)
- Magenta (67%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.6980, 11.2370, 7.4609 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 12.6980, 11.2370, 7.4609 by changing the saturation by 10% instead.


 12.6980, 11.2370,
7.4609


 12.6980, 11.2370,
7.4609


202.6500,
199.2864, 181.2140


 7.2965, 6.2265,
3.6692


 30.3661, 28.0976,
21.4230


 3.6962, 2.9833,
1.4457

 43.3634, 40.7165,
32.4306


 1.5317, 1.1230,
0.1770

 59.6233, 56.6402,
46.6804

 0.3473, 0.0000,
0.0000

 79.5113, 76.2533,
64.5912

 0.0000, 0.0000,
0.0000

 103.3925, 99.9400,
86.5814

131.6325,

128.0849, 113.0696

164.5965,
161.0722, 144.4743

■ 12.6980, 11.2370,
7.4609

■ 12.6980, 11.2370,
7.4609

■ 11.6674, 9.7490,
5.3504

■ 13.9030, 12.9439,
10.0306

■ 10.8019, 8.4692,
3.6709

■ 15.2896, 14.8764,
13.0838

■ 10.0926, 7.3885,
2.3925

■ 16.8653, 17.0433,
16.6442

■ 9.5291, 6.4964,
1.4808

■ 18.6371, 19.4521,
20.7333

■ 9.0997, 5.7812,
0.8947

■ 20.6115, 22.1099,
25.3718

■ 8.8494, 5.3596,
0.5681

■ 22.7950, 25.0239,
30.5790

■ 25.1935, 28.2007,
36.3733

■ 27.8127, 31.6467,
42.7723

■ 30.6582, 35.3680,
49.7929

Harmonies

Analogous

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



13.5224, 11.2370, 10.2461



12.6980, 11.2370, 7.4609



11.3681, 11.2370, 6.1279

Triad

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



12.6980, 11.2370, 7.4609



8.2534, 11.2370, 10.4061



11.4334, 11.2370, 21.3837

Complementary

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



12.6980, 11.2370, 7.4609



11.8123, 13.9461, 21.1381

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.



10.0211, 11.2370, 21.4534



12.6980, 11.2370, 7.4609



8.2675, 11.2370, 14.4663

Square

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



12.6980, 11.2370, 7.4609



8.8483, 11.2370, 7.5556



8.8888, 11.2370, 18.7057



12.7495, 11.2370, 18.5322

Rectangle

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



12.6980, 11.2370, 7.4609



10.4131, 11.2370, 6.0001



8.8888, 11.2370, 18.7057



10.9523, 11.2370, 21.7514

Sweetspot

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



12.6983, 11.2375, 7.4611



29.5126, 29.7648, 28.9101



13.4210, 9.9338, 16.1769



6.8220, 6.8339, 6.5158



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.



12.6983, 11.2375, 7.4611



20.6208, 17.2857, 9.5932



15.1067, 16.0544, 8.2639



4.0765, 4.1714, 4.2148



8.9944, 5.4446, 0.5769



42.2973, 24.7581, 2.5495

Inverse Universe

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



11.8123, 13.9461, 21.1381



18.8364, 22.6773, 36.9410



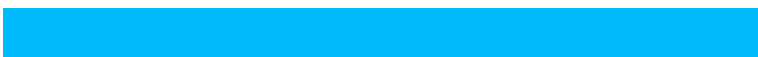
9.4265, 9.1744, 20.3428



4.0217, 4.3418, 5.0693



7.5202, 9.1229, 20.7498



35.1487, 42.0699, 98.7376

Previews

White Background



This preview shows how the XYZ color 12.6980, 11.2370, 7.4609 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 12.6980, 11.2370, 7.4609 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 12.6980, 11.2370, 7.4609

Background



This preview shows how black text looks on a background with the XYZ color 12.6980, 11.2370, 7.4609.



This preview shows how white text looks on a background with the XYZ color 12.6980, 11.2370,

7.4609.

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

12.6980, 11.2370, 7.4609

Protanopia

10.5282, 11.2227, 8.2679

Deuteranopia

11.5287, 11.3691, 7.3812



Tritanopia

13.5006, 11.3434, 10.9291

Trichromacy



Original Color

12.6980, 11.2370, 7.4609

Protanomaly

11.2838, 11.2278, 8.0510

Deuteranomaly

11.8803, 11.3000, 7.3493

Tritanomaly

13.1508, 11.3098, 9.4725

Monochromacy



Original Color

12.6980, 11.2370, 7.4609

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.3647, 11.2182, 10.3705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6980, 11.2370, 7.4609 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(124, 85, 71)` looks like.

```
.text, #text, p{  
    color:rgb(124, 85, 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(124, 85, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 85, 71) }
```

Border

The CSS property to change the border of an element to XYZ 12.6980, 11.2370, 7.4609 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(124, 85, 71) }
```


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

```
.border{ border-color:rgb(124, 85, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 85, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 85, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 85, 71);  
box-shadow:4px 4px 4px 4px rgb(124, 85,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6980, 11.2370, 7.4609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 85, 71) }
```

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

```
.background{ background-color: rgb(124, 85,  
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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