

Converting Colors

XYZ(11.7296, 12.3573, 8.7935)

Have a look what the booklet for
XYZ(11.7296, 12.3573, 8.7935)
contains.

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Color

**XYZ(11.7706, 12.3970,
8.7937)**

Conversions

Conversions Part 1

Format	Color
Hex	6B624D
RGB	107, 98, 77
RGB Percent	42%, 38%, 30%
CMY	0.5804, 0.6157, 0.6980
CMYK	0.00, 0.08, 0.28, 0.58
HSL	42°, 16%, 36%
HSV	42°, 28%, 42%
XYZ	11.7706, 12.3970, 8.7937
YIQ	98.2970, 12.1050, -4.6230

Conversions

Conversions Part 2

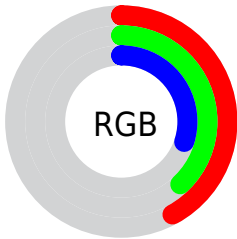
Format	Color
R_{YB}	90, 107, 77
Decimal	7037517
CIE Lab	41.84, -0.09, 13.27
CIE LCh	42, 13.274, 90.377
Yxy	12.3970, 0.3571, 0.3761
Android (android.graphics.Color)	4285227597 (0xFF6B624D)
YUV	98.2970, -10.4994, 7.6325
Hunter-Lab	35.2094, -1.9433, 9.8386

Details

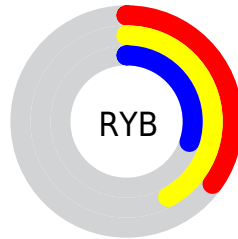
The XYZ color **11.7706, 12.3970, 8.7937** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **9.0421, 9.2945, 15.2273**, and the grayscale version is **11.7070, 12.3167, 13.4128**.

A 20% lighter version of the original color is **28.8114, 30.3722, 24.0826**, and **3.3061, 3.4956, 1.9393** is the 20% darker color. If you saturate the color by 10%, you get **11.1293, 11.6701, 6.8669**, and if you desaturate by 10%, it is **12.4867, 13.1740, 11.0524**.

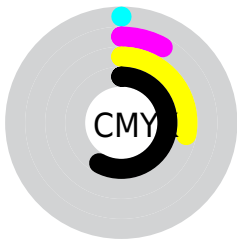
Distribution



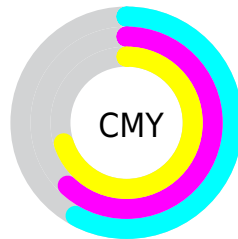
- Red (42%)
- Green (38%)
- Blue (30%)



- Red (35%)
- Yellow (42%)
- Blue (30%)



- Cyan (0%)
- Magenta (8%)
- Yellow (28%)
- Black (58%)



- Cyan (58%)
- Magenta (62%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7706, 12.3970, 8.7937 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 11.7706, 12.3970, 8.7937 by changing the saturation by 10% instead.

■ 11.7706, 12.3970,
8.7937

■ 11.7706, 12.3970,
8.7937

196.6817,
207.0161, 191.9924

■ 6.6588, 7.0147,
4.5119

■ 28.6971, 30.2161,
24.0717

■ 3.2940, 3.4713,
1.9102

■ 41.2425, 43.4217,
35.9050

■ 1.3111, 1.3824,
0.4992

■ 56.9964, 60.0038,
51.0925

■ 0.1915, 0.2037,
0.0000

■ 76.3242, 80.3468,
70.0527

■ 0.0000, 0.0000,
0.0000

■ 99.5913, 104.8352,
93.2043

127.1630,

133.8532, 120.9658

159.4047,
167.7854, 153.7556

■ 11.7706, 12.3970,
8.7937

■ 11.7706, 12.3970,
8.7937

■ 11.1293, 11.6701,
6.8669

■ 12.4867, 13.1740,
11.0524

■ 10.5588, 10.9901,
5.2552

■ 13.2797, 14.0008,
13.6573

■ 10.0558, 10.3559,
3.9416

■ 14.1527, 14.8793,
16.6226

■ 9.6167, 9.7659,
2.9068

■ 15.1083, 15.8107,
19.9615

■ 9.2373, 9.2180,
2.1296

■ 16.1490, 16.7963,
23.6867

■ 8.9127, 8.7103,
1.5856

■ 17.2772, 17.8373,
27.8101

■ 8.6278, 8.2362,
1.1954

■ 18.4953, 18.9347,
32.3431

■ 8.5734, 8.1458,
1.1204

■ 19.8054, 20.0896,
37.2969

■ 21.2096, 21.3031,
42.6819

Harmonies

Analogous

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



12.7380, 12.3970, 9.3338



11.7706, 12.3970, 8.7937



10.8566, 12.3970, 9.3615

Triad

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



11.7706, 12.3970, 8.7937



10.2327, 12.3970, 16.4116



13.4960, 12.3970, 16.3418

Complementary

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



11.7706, 12.3970, 8.7937



9.0421, 9.2945, 15.2273

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.



12.7606, 12.3970, 18.7030



11.7706, 12.3970, 8.7937



10.8769, 12.3970, 18.7471

Square

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



11.7706, 12.3970, 8.7937



9.9993, 12.3970, 13.5337



11.7954, 12.3970, 19.6377



13.7671, 12.3970, 13.4628

Rectangle

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



11.7706, 12.3970, 8.7937



10.3919, 12.3970, 10.3442



11.7954, 12.3970, 19.6377



13.2930, 12.3970, 17.2359

Sweetspot

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



11.7709, 12.3976, 8.7940



23.7512, 25.0417, 24.3610



10.3970, 9.1056, 10.0138



5.7049, 6.0160, 5.7499



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



11.7709, 12.3976, 8.7940



20.2684, 21.2886, 13.2960



11.9641, 13.8178, 9.0579



3.2603, 3.4379, 3.3092



10.4030, 9.8557, 1.3541



52.2222, 48.6481, 6.6376

Inverse Universe

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



9.0421, 9.2945, 15.2273



14.4661, 14.6927, 26.9812



8.8751, 8.2085, 15.0264



3.0156, 3.1595, 3.8858



3.8348, 2.5040, 17.2034



18.8608, 11.4001, 87.4326

Previews

White Background



This preview shows how the XYZ color 11.7706, 12.3970, 8.7937 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 11.7706, 12.3970, 8.7937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

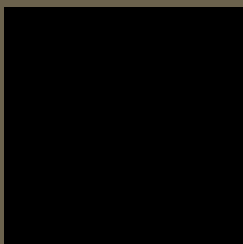
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

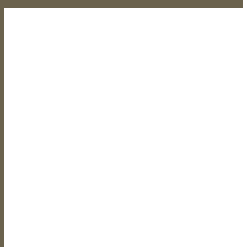
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.7706, 12.3970, 8.7937

Background



This preview shows how black text looks on a background with the XYZ color 11.7706, 12.3970, 8.7937.

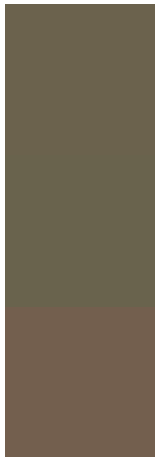


This preview shows how white text looks on a background with the XYZ color 11.7706, 12.3970,

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

11.7706, 12.3970, 8.7937

Protanopia

11.6271, 12.4628, 8.8139

Deuteranopia

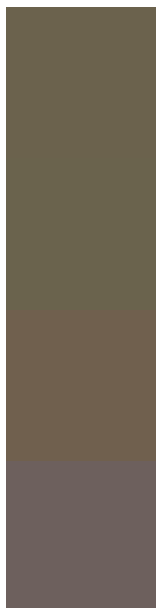
12.5376, 12.3793, 8.9364



Tritanopia

12.9209, 12.4587, 14.2941

Trichromacy



Original Color

11.7706, 12.3970, 8.7937

Protanomaly

11.7453, 12.5237, 8.8194

Deuteranomaly

12.2401, 12.3605, 8.9484

Tritanomaly

12.4653, 12.4073, 12.0938

Monochromacy



Original Color

11.7706, 12.3970, 8.7937

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.5800, 12.2403, 11.4251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7706, 12.3970, 8.7937 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(107, 98, 77)` looks like.

```
.text, #text, p{  
    color:rgb(107, 98, 77)  
}
```

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(107, 98, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 98, 77) }
```

Border

The CSS property to change the border of an element to XYZ 11.7706, 12.3970, 8.7937 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(107, 98, 77) }
```


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

```
.border{ border-color:rgb(107, 98, 77) }
```

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

Here you see how a box with a 4 pixel rgb(107, 98, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 98, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 98, 77);  
box-shadow:4px 4px 4px 4px rgb(107, 98,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7706, 12.3970, 8.7937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 98, 77) }
```

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

```
.background{ background-color: rgb(107, 98,  
77) }
```

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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