

Converting Colors

XYZ(12.0955, 12.0668, 8.7904)

Have a look what the booklet for
XYZ(12.0955, 12.0668, 8.7904)
contains.

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Color

**XYZ(12.0243, 11.9860,
8.7010)**

Conversions

Conversions Part 1

Format	Color
Hex	705E4D
RGB	112, 94, 77
RGB Percent	44%, 37%, 30%
CMY	0.5608, 0.6314, 0.6980
CMYK	0.00, 0.16, 0.31, 0.56
HSL	29°, 19%, 37%
HSV	29°, 31%, 44%
XYZ	12.0243, 11.9860, 8.7010
YIQ	97.4440, 16.1850, -1.4710

Conversions

Conversions Part 2

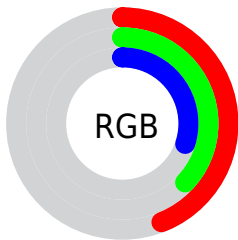
Format	Color
R_{YB}	112, 110, 77
Decimal	7364173
CIE _{Lab}	41.19, 4.48, 12.46
CIE _{LCh}	41, 13.244, 70.244
Yxy	11.9860, 0.3676, 0.3664
Android (android.graphics.Color)	4285554253 (0xFF705E4D)
YUV	97.4440, -10.0789, 12.7656
Hunter-Lab	34.6208, 1.4092, 9.3336

Details

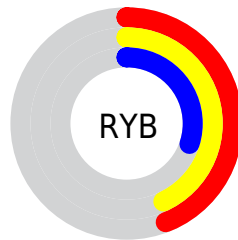
The XYZ color **12.0243, 11.9860, 8.7010** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.0772, 10.9316, 16.9079**, and the grayscale version is **11.4932, 12.0918, 13.1679**.

A 20% lighter version of the original color is **29.0490, 29.3454, 23.8718**, and **3.3814, 3.2805, 1.8938** is the 20% darker color. If you saturate the color by 10%, you get **11.1694, 10.8554, 6.6302**, and if you desaturate by 10%, it is **12.9862, 13.2214, 11.1438**.

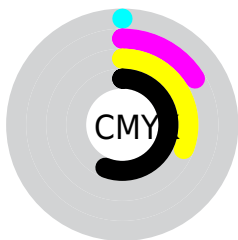
Distribution



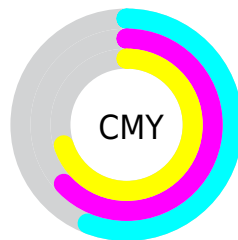
- Red (44%)
- Green (37%)
- Blue (30%)



- Red (44%)
- Yellow (43%)
- Blue (30%)



- Cyan (0%)
- Magenta (16%)
- Yellow (31%)
- Black (56%)



- Cyan (56%)
- Magenta (63%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0243, 11.9860, 8.7010 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 12.0243, 11.9860, 8.7010 by changing the saturation by 10% instead.

■ 12.0243, 11.9860,
8.7010

■ 12.0243, 11.9860,
8.7010

198.3327,
204.3126, 191.2666

■ 6.8325, 6.7341,
4.4525

■ 29.1558, 29.4696,
23.8901

■ 3.4030, 3.2964,
1.8767

■ 41.8263, 42.4701,
35.6678

■ 1.3703, 1.2884,
0.4779

■ 57.7204, 58.8224,
50.7924

■ 0.2349, 0.1322,
0.0000

■ 77.2035, 78.9107,
69.6823

■ 0.0000, 0.0000,
0.0000

■ 100.6409,
103.1195, 92.7562

128.3980,

131.8331, 120.4325

160.8402,
165.4360, 153.1298

■ 12.0243, 11.9860,
8.7010

■ 12.0243, 11.9860,
8.7010

■ 11.1694, 10.8554,
6.6302

■ 12.9862, 13.2214,
11.1438

■ 10.4161, 9.8248,
4.9119

■ 14.0582, 14.5629,
13.9751

■ 9.7602, 8.8916,
3.5261

■ 15.2444, 16.0138,
17.2115

■ 9.1966, 8.0524,
2.4504

■ 16.5484, 17.5766,
20.8682

■ 8.7197, 7.3034,
1.6597

■ 17.9737, 19.2541,
24.9597

■ 8.3229, 6.6405,
1.1245

■ 19.5235, 21.0486,
29.4998

■ 8.0203, 6.1213,
0.7588

■ 21.2010, 22.9625,
34.5018

■ 23.0092, 24.9981,
39.9783

■ 24.9512, 27.1577,
45.9414

Harmonies

Analogous

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



12.8521, 11.9860, 9.9398



12.0243, 11.9860, 8.7010



11.0689, 11.9860, 8.5299

Triad

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



12.0243, 11.9860, 8.7010



9.6793, 11.9860, 14.0084



12.6202, 11.9860, 17.4900

Complementary

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



12.0243, 11.9860, 8.7010



10.0772, 10.9316, 16.9079

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.



11.7220, 11.9860, 18.9394



12.0243, 11.9860, 8.7010



10.0475, 11.9860, 16.7512

Square

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



12.0243, 11.9860, 8.7010



9.7502, 11.9860, 11.3528



10.7829, 11.9860, 18.6515



13.2092, 11.9860, 14.9101

Rectangle

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



12.0243, 11.9860, 8.7010



10.4923, 11.9860, 9.0147



10.7829, 11.9860, 18.6515



12.3424, 11.9860, 18.1409

Sweetspot

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



12.0246, 11.9866, 8.7012



25.1003, 26.0813, 25.6375



11.4053, 9.5804, 12.0945



5.9738, 6.1963, 6.0069



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.0246, 11.9866, 8.7012



20.0947, 19.7024, 12.7709



13.7516, 15.4404, 9.2769



3.5058, 3.6441, 3.5919



9.2493, 7.0311, 0.8696



45.2175, 33.3102, 4.0463

Inverse Universe

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



10.0772, 10.9316, 16.9079



16.1322, 17.5554, 29.4680



8.6802, 8.1376, 16.4423



3.3462, 3.5576, 4.2645



5.0834, 4.7572, 18.3719



24.4560, 21.9640, 91.2296

Previews

White Background



This preview shows how the XYZ color 12.0243, 11.9860, 8.7010 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 12.0243, 11.9860, 8.7010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

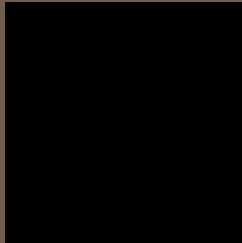
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

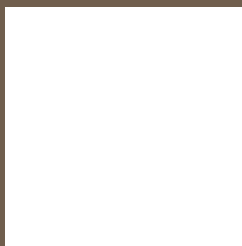
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0243, 11.9860, 8.7010

Background



This preview shows how black text looks on a background with the XYZ color 12.0243, 11.9860, 8.7010.

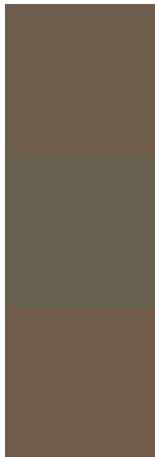


This preview shows how white text looks on a background with the XYZ color 12.0243, 11.9860,

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

12.0243, 11.9860, 8.7010

Protanopia

11.2434, 11.9830, 8.9281

Deuteranopia

12.1933, 11.9419, 8.6835



Tritanopia

12.8851, 11.9414, 13.1811

Trichromacy



Original Color

12.0243, 11.9860, 8.7010

Protanomaly

11.5019, 11.9800, 8.9139

Deuteranomaly

12.0640, 11.8752, 8.6775

Tritanomaly

12.4827, 11.9032, 11.3125

Monochromacy



Original Color

12.0243, 11.9860, 8.7010

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.5078, 11.9287, 11.3688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0243, 11.9860, 8.7010 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(112, 94, 77)` looks like.

```
.text, #text, p{  
    color:rgb(112, 94, 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(112, 94, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 94, 77) }
```

Border

The CSS property to change the border of an element to XYZ 12.0243, 11.9860, 8.7010 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(112, 94, 77) }
```


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

```
.border{ border-color:rgb(112, 94, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 94, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 94, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 94, 77);  
box-shadow:4px 4px 4px 4px rgb(112, 94,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0243, 11.9860, 8.7010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 94, 77) }
```

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

```
.background{ background-color: rgb(112, 94,  
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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