

Converting Colors

XYZ(12.3681, 12.2520, 10.7298)

Have a look what the booklet for
XYZ(12.3681, 12.2520, 10.7298)
contains.

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Color

**XYZ(12.3681, 12.2520,
10.7298)**

Conversions

Conversions Part 1

Format	Color
Hex	6F5F57
RGB	111, 95, 87
RGB Percent	44%, 37%, 34%
CMY	0.5647, 0.6274, 0.6588
CMYK	0.00, 0.14, 0.22, 0.56
HSL	20°, 12%, 39%
HSV	20°, 22%, 44%
XYZ	12.3681, 12.2520, 10.7298
YIQ	98.8720, 12.1040, 0.9040

Conversions

Conversions Part 2

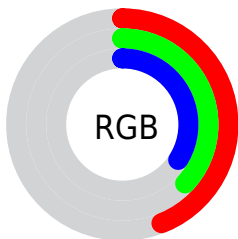
Format	Color
RYB	111, 99, 87
Decimal	7298903
CIELab	41.61, 5.04, 6.96
CIELCh	42, 8.587, 54.092
Yxy	12.2520, 0.3499, 0.3466
Android (android.graphics.Color)	4285488983 (0xFF6F5F57)
YUV	98.8720, -5.8529, 10.6363
Hunter-Lab	35.0029, 1.8172, 6.3272

Details

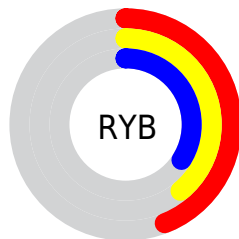
The XYZ color **12.3681, 12.2520, 10.7298** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.6500, 12.8744, 16.9102**, and the grayscale version is **11.8399, 12.4565, 13.5651**.

A 20% lighter version of the original color is **29.7450, 29.8435, 27.8595**, and **3.5661, 3.4206, 2.6628** is the 20% darker color. If you saturate the color by 10%, you get **11.3140, 10.8144, 8.3104**, and if you desaturate by 10%, it is **13.5560, 13.8452, 13.5381**.

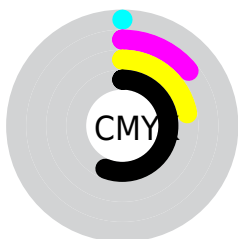
Distribution



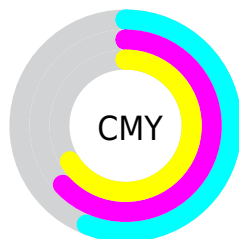
- Red (44%)
- Green (37%)
- Blue (34%)



- Red (44%)
- Yellow (39%)
- Blue (34%)



- Cyan (0%)
- Magenta (14%)
- Yellow (22%)
- Black (56%)



- Cyan (56%)
- Magenta (63%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3681, 12.2520, 10.7298 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 12.3681, 12.2520, 10.7298 by changing the saturation by 10% instead.

■ 12.3681, 12.2520,
10.7298

■ 12.3681, 12.2520,
10.7298

200.5477,
206.0665, 206.4748

■ 7.0689, 6.9155,
5.7736

■ 29.7748, 29.9532,
27.7884

■ 3.5519, 3.4093,
2.6413

■ 42.6131, 43.0868,
40.7279

■ 1.4519, 1.3490,
0.9137

■ 58.6950, 59.5882,
57.1655

■ 0.2928, 0.1787,
0.0000

■ 78.3860, 79.8419,
77.5198

■ 0.0000, 0.0000,
0.0000

■ 102.0514,
104.2321, 102.2093

130.0566,

133.1434, 131.6526

162.7669,
166.9601, 166.2683

■ 12.3681, 12.2520,
10.7298

■ 12.3681, 12.2520,
10.7298

■ 11.3140, 10.8144,
8.3104

■ 13.5560, 13.8452,
13.5381

■ 10.3876, 9.5261,
6.2620

■ 14.8813, 15.5970,
16.7510

■ 9.5842, 8.3825,
4.5661

■ 16.3488, 17.5123,
20.3838

■ 8.8981, 7.3783,
3.2024

■ 17.9627, 19.5953,
24.4511

■ 8.3230, 6.5078,
2.1486

■ 19.7270, 21.8499,
28.9667

■ 7.8522, 5.7649,
1.3795

■ 21.6457, 24.2802,
33.9437

■ 7.4781, 5.1428,
0.8656

■ 23.7224, 26.8899,
39.3950

■ 7.2175, 4.7032,
0.5274

■ 25.9607, 29.6826,
45.3324

■ 28.3641, 32.6619,
51.7679

Harmonies

Analogous

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



12.7831, 12.2520, 11.9774



12.3681, 12.2520, 10.7298



11.7699, 12.2520, 10.1865

Triad

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



12.3681, 12.2520, 10.7298



10.4844, 12.2520, 12.9874



12.1453, 12.2520, 16.7544

Complementary

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



12.3681, 12.2520, 10.7298



11.6500, 12.8744, 16.9102

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.



11.5213, 12.2520, 17.0860



12.3681, 12.2520, 10.7298



10.5768, 12.2520, 14.8030

Square

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



12.3681, 12.2520, 10.7298



10.6939, 12.2520, 11.4125



10.9510, 12.2520, 16.3433



12.6513, 12.2520, 15.4740

Rectangle

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



12.3681, 12.2520, 10.7298



11.3535, 12.2520, 10.2583



10.9510, 12.2520, 16.3433



11.9418, 12.2520, 16.9851

Sweetspot

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



12.3684, 12.2526, 10.7301



25.5381, 26.4681, 27.2905



12.4122, 11.1754, 14.3351



6.1089, 6.3238, 6.4921



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.



12.3684, 12.2526, 10.7301



21.1577, 20.5960, 16.9249



13.5338, 14.5833, 11.1185



3.4670, 3.5665, 3.5790



8.4823, 5.4971, 0.6140



41.5339, 25.9430, 2.8184

Inverse Universe

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



11.6500, 12.8744, 16.9102



19.6221, 21.9225, 30.1271



10.5410, 10.6563, 16.5405



3.3858, 3.6369, 4.2778



6.2418, 7.0740, 18.7580



30.2767, 33.6053, 93.1699

Previews

White Background



This preview shows how the XYZ color 12.3681, 12.2520, 10.7298 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 12.3681, 12.2520, 10.7298 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

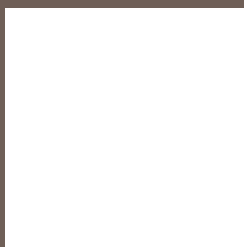
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.3681, 12.2520, 10.7298

Background



This preview shows how black text looks on a background with the XYZ color 12.3681, 12.2520, 10.7298.



This preview shows how white text looks on a background with the XYZ color 12.3681, 12.2520,

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

12.3681, 12.2520, 10.7298

Protanopia

11.6503, 12.2814, 11.2077

Deuteranopia

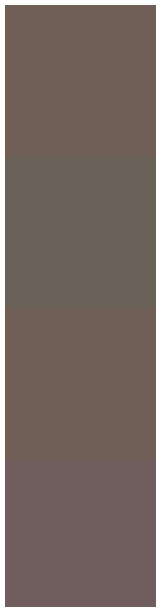
12.4946, 12.3173, 10.7358



Tritanopia

13.0247, 12.2595, 13.7364

Trichromacy



Original Color

12.3681, 12.2520, 10.7298

Protanomaly

11.8618, 12.2572, 10.9732

Deuteranomaly

12.4946, 12.3173, 10.7358

Tritanomaly

12.7504, 12.2764, 12.5240

Monochromacy



Original Color

12.3681, 12.2520, 10.7298

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.0268, 12.4452, 12.5947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3681, 12.2520, 10.7298 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(111, 95, 87)` looks like.

```
.text, #text, p{  
    color:rgb(111, 95, 87)  
}
```

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(111, 95, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 95, 87) }
```

Border

The CSS property to change the border of an element to XYZ 12.3681, 12.2520, 10.7298 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(111, 95, 87) }
```


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

```
.border{ border-color:rgb(111, 95, 87) }
```

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

Here you see how a box with a 4 pixel rgb(111, 95, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 95, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 95, 87);  
box-shadow:4px 4px 4px 4px rgb(111, 95,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3681, 12.2520, 10.7298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 95, 87) }
```

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

```
.background{ background-color: rgb(111, 95,  
87) }
```

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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