

Converting Colors

XYZ(12.3688, 12.3271, 7.3577)

Have a look what the booklet for
XYZ(12.3688, 12.3271, 7.3577)
contains.

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Color

**XYZ(12.3688, 12.3271,
7.3577)**

Conversions

Conversions Part 1

Format	Color
Hex	745F45
RGB	116, 95, 69
RGB Percent	45%, 37%, 27%
CMY	0.5451, 0.6274, 0.7294
CMYK	0.00, 0.18, 0.41, 0.55
HSL	33°, 25%, 36%
HSV	33°, 41%, 45%
XYZ	12.3688, 12.3271, 7.3577
YIQ	98.3150, 20.8620, -3.6340

Conversions

Conversions Part 2

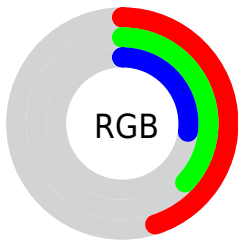
Format	Color
R_{YB}	107, 116, 69
Decimal	7626565
CIE Lab	41.73, 4.53, 18.07
CIE LCh	42, 18.635, 75.916
Yxy	12.3271, 0.3859, 0.3846
Android (android.graphics.Color)	4285816645 (0xFF745F45)
YUV	98.3150, -14.4523, 15.5097
Hunter-Lab	35.1100, 1.4409, 12.1521

Details

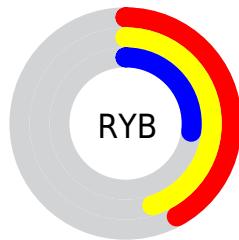
The XYZ color **12.3688, 12.3271, 7.3577** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.2626, 9.8380, 17.9336**, and the grayscale version is **11.7195, 12.3298, 13.4272**.

A 20% lighter version of the original color is **29.6985, 29.9702, 21.0492**, and **3.5205, 3.4251, 1.3953** is the 20% darker color. If you saturate the color by 10%, you get **11.5921, 11.2946, 5.4927**, and if you desaturate by 10%, it is **13.2477, 13.4511, 9.6044**.

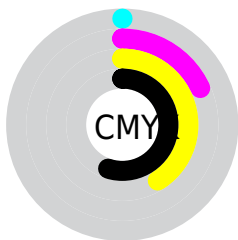
Distribution



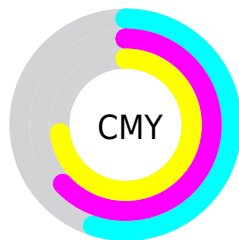
- Red (45%)
- Green (37%)
- Blue (27%)



- Red (42%)
- Yellow (45%)
- Blue (27%)



- Cyan (0%)
- Magenta (18%)
- Yellow (41%)
- Black (55%)



- Cyan (55%)
- Magenta (63%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3688, 12.3271, 7.3577 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 12.3688, 12.3271, 7.3577 by changing the saturation by 10% instead.

■ 12.3688, 12.3271,
7.3577

■ 12.3688, 12.3271,
7.3577

200.5522,
206.5589, 180.3458

■ 7.0693, 6.9669,
3.6050

■ 29.7761, 30.0895,
21.2143

■ 3.5522, 3.4414,
1.4112

■ 42.6147, 43.2604,
32.1552

■ 1.4521, 1.3663,
0.1505

■ 58.6970, 59.8036,
46.3293

■ 0.2929, 0.1917,
0.0000

■ 78.3884, 80.1036,
64.1551

■ 0.0000, 0.0000,
0.0000

■ 102.0543,
104.5448, 86.0511

130.0600,

133.5114, 112.4358

162.7708,
167.3880, 143.7279

■ 12.3688, 12.3271,
7.3577

■ 12.3688, 12.3271,
7.3577

■ 11.5921, 11.2946,
5.4927

■ 13.2477, 13.4511,
9.6044

■ 10.9118, 10.3490,
3.9867

■ 14.2321, 14.6674,
12.2523

■ 10.3231, 9.4877,
2.8159

■ 15.3264, 15.9793,
15.3203

■ 9.8202, 8.7076,
1.9530

■ 16.5346, 17.3891,
18.8258

■ 9.3966, 8.0048,
1.3665

■ 17.8602, 18.8992,
22.7855

■ 9.0458, 7.3998,
0.9515

■ 19.3066, 20.5118,
27.2150

■ 20.8773, 22.2290,
32.1292

■ 22.5754, 24.0529,
37.5424

■ 24.4040, 25.9855,
43.4682

Harmonies

Analogous

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



13.6448, 12.3271, 8.7027



12.3688, 12.3271, 7.3577



11.0094, 12.3271, 7.3996

Triad

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



12.3688, 12.3271, 7.3577



9.3632, 12.3271, 15.5973



13.7108, 12.3271, 19.3794

Complementary

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



12.3688, 12.3271, 7.3577



9.2626, 9.8380, 17.9336

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.



12.4533, 12.3271, 22.0549



12.3688, 12.3271, 7.3577



9.9791, 12.3271, 19.5979

Square

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



12.3688, 12.3271, 7.3577



9.3444, 12.3271, 11.6700



11.0876, 12.3271, 22.1419



14.4595, 12.3271, 15.3414

Rectangle

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



12.3688, 12.3271, 7.3577



10.2393, 12.3271, 8.1959



11.0876, 12.3271, 22.1419



13.3294, 12.3271, 20.4997

Sweetspot

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



12.3691, 12.3277, 7.3580



26.5830, 27.6642, 25.9108



11.1824, 8.7101, 10.7983



6.2966, 6.5460, 6.0535



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.3691, 12.3277, 7.3580



20.4123, 19.9020, 9.7368



14.2135, 16.4743, 8.0611



3.8362, 4.0055, 3.9132



10.1330, 8.2672, 1.0617



48.5143, 38.5571, 4.8853

Inverse Universe

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



9.2626, 9.8380, 17.9336



14.1198, 14.8624, 31.1691



7.9049, 6.8702, 17.4323



3.6228, 3.8342, 4.6394



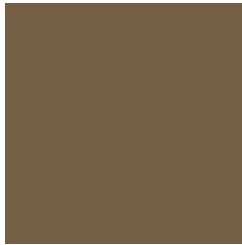
4.8888, 4.1172, 19.0796



22.9942, 18.4050, 92.7009

Previews

White Background



This preview shows how the XYZ color 12.3688, 12.3271, 7.3577 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 12.3688, 12.3271, 7.3577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

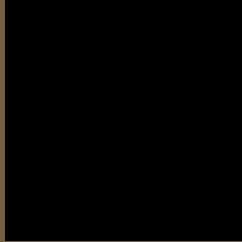
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3688, 12.3271, 7.3577

Background



This preview shows how black text looks on a background with the XYZ color 12.3688, 12.3271, 7.3577.



This preview shows how white text looks on a background with the XYZ color 12.3688, 12.3271,

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

12.3688, 12.3271, 7.3577

Protanopia

11.5112, 12.4300, 7.5869

Deuteranopia

12.4130, 12.2170, 7.3341



Tritanopia

13.5534, 12.2860, 13.2124

Trichromacy



Original Color

12.3688, 12.3271, 7.3577

Protanomaly

11.9036, 12.4926, 7.5783

Deuteranomaly

12.4130, 12.2170, 7.3341

Tritanomaly

13.0187, 12.1940, 10.6843

Monochromacy



Original Color

12.3688, 12.3271, 7.3577

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.8207, 12.2408, 10.7565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3688, 12.3271, 7.3577 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(116, 95, 69)` looks like.

```
.text, #text, p{  
    color:rgb(116, 95, 69)  
}
```

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(116, 95, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 95, 69) }
```

Border

The CSS property to change the border of an element to XYZ 12.3688, 12.3271, 7.3577 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(116, 95, 69) }
```


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

```
.border{ border-color:rgb(116, 95, 69) }
```

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

Here you see how a box with a 4 pixel rgb(116, 95, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 95, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 95, 69);  
box-shadow:4px 4px 4px 4px rgb(116, 95,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3688, 12.3271, 7.3577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 95, 69) }
```

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

```
.background{ background-color: rgb(116, 95,  
69) }
```

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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