

Converting Colors

XYZ(12.3737, 11.8079, 3.7005)

Have a look what the booklet for
XYZ(12.3737, 11.8079, 3.7005)
contains.

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Color

**XYZ(12.3686, 11.7575,
3.7154)**

Conversions

Conversions Part 1

Format	Color
Hex	7C5A29
RGB	124, 90, 41
RGB Percent	49%, 35%, 16%
CMY	0.5137, 0.6470, 0.8392
CMYK	0.00, 0.27, 0.67, 0.51
HSL	35°, 50%, 32%
HSV	35°, 67%, 49%
XYZ	12.3686, 11.7575, 3.7154
YIQ	94.5800, 35.9930, -8.0310

Conversions

Conversions Part 2

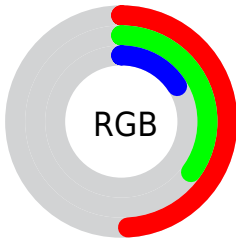
Format	Color
R _Y B	99, 124, 41
Decimal	8149545
CIE Lab	40.83, 8.43, 33.11
CIE LCh	41, 34.165, 75.721
Yxy	11.7575, 0.4443, 0.4223
Android (android.graphics.Color)	4286339625 (0xFF7C5A29)
YUV	94.5800, -26.4149, 25.8013
Hunter-Lab	34.2892, 4.3813, 17.5781

Details

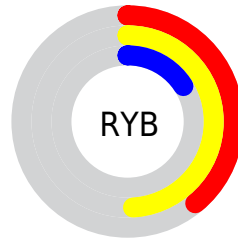
The XYZ color **12.3686, 11.7575, 3.7154** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.0686, 6.9586, 20.0393**, and the grayscale version is **10.8322, 11.3963, 12.4105**.

A 20% lighter version of the original color is **29.7299, 29.0445, 13.2717**, and **3.5732, 3.1791, 0.4253** is the 20% darker color. If you saturate the color by 10%, you get **11.7716, 10.8569, 2.6119**, and if you desaturate by 10%, it is **13.0637, 12.7451, 5.1884**.

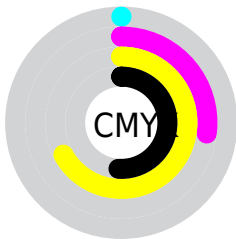
Distribution



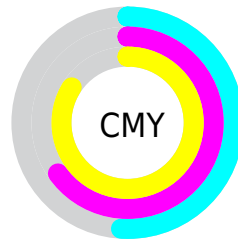
- Red (49%)
- Green (35%)
- Blue (16%)



- Red (39%)
- Yellow (49%)
- Blue (16%)



- Cyan (0%)
- Magenta (27%)
- Yellow (67%)
- Black (51%)



- Cyan (51%)
- Magenta (65%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3686, 11.7575, 3.7154 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 12.3686, 11.7575, 3.7154 by changing the saturation by 10% instead.

■ 12.3686, 11.7575,
3.7154

■ 12.3686, 11.7575,
3.7154

200.5509,
202.7932, 145.0075

■ 7.0692, 6.5788,
1.4705

■ 29.7757, 29.0527,
13.3479

■ 3.5521, 3.2001,
0.1958

■ 42.6142, 41.9379,
21.5726

■ 1.4520, 1.2371,
0.0000

■ 58.6964, 58.1607,
32.6277

■ 0.2928, 0.0917,
0.0000

■ 78.3877, 78.1056,
46.9317

■ 0.0000, 0.0000,
0.0000

■ 102.0535,
102.1569, 64.9031

■ 130.0590,

130.6990, 86.9605

162.7697,
164.1163, 113.5225

■ 12.3686, 11.7575,
3.7154

■ 12.3686, 11.7575,
3.7154

■ 11.7716, 10.8569,
2.6119

■ 13.0637, 12.7451,
5.1884

■ 11.2645, 10.0378,
1.8419

■ 13.8624, 13.8215,
7.0609

■ 10.8332, 9.2939,
1.3321

■ 14.7707, 14.9903,
9.3607

■ 10.7084, 9.0776,
1.1878

■ 15.7938, 16.2546,
12.1127

■ 16.9368, 17.6170,
15.3402

■ 18.2040, 19.0804,
19.0646

■ 19.5997, 20.6471,
23.3060

■ 21.1282, 22.3195,
28.0836

■ 22.7932, 24.1001,
33.4153

Harmonies

Analogous

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



14.7680, 11.7575, 5.4085



12.3686, 11.7575, 3.7154



9.9554, 11.7575, 3.7538

Triad

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



12.3686, 11.7575, 3.7154



7.2513, 11.7575, 16.7841



14.8684, 11.7575, 24.6122

Complementary

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



12.3686, 11.7575, 3.7154



7.0686, 6.9586, 20.0393

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.



12.4906, 11.7575, 30.5037



12.3686, 11.7575, 3.7154



8.2181, 11.7575, 24.9825

Square

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



12.3686, 11.7575, 3.7154



7.2285, 11.7575, 9.7748



10.0611, 11.7575, 30.6596



16.3468, 11.7575, 16.3972

Rectangle

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



12.3686, 11.7575, 3.7154



8.6614, 11.7575, 4.7170



10.0611, 11.7575, 30.6596



14.1335, 11.7575, 27.0427

Sweetspot

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



12.3689, 11.7581, 3.7156



29.0681, 30.1330, 24.8862



10.3953, 6.3871, 7.4469



6.7356, 6.9654, 5.5492



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.



12.3689, 11.7581, 3.7156



20.2533, 18.3724, 3.8545



14.9552, 18.3630, 4.8542



4.1766, 4.3715, 4.2482



10.8836, 9.2231, 1.2066



51.0626, 42.2887, 5.4712

Inverse Universe

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



7.0686, 6.9586, 20.0393



10.2325, 9.3313, 34.8184



5.6462, 3.6676, 19.4791



3.9199, 4.1382, 5.0353



4.8902, 3.8628, 19.8732



22.5327, 16.8381, 94.5323

Previews

White Background



This preview shows how the XYZ color 12.3686, 11.7575, 3.7154 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 12.3686, 11.7575, 3.7154 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 12.3686, 11.7575, 3.7154

Background



This preview shows how black text looks on a background with the XYZ color 12.3686, 11.7575, 3.7154.



This preview shows how white text looks on a background with the XYZ color 12.3686, 11.7575,

3.7154.

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

12.3686, 11.7575, 3.7154

Protanopia

10.7741, 11.8496, 4.0048

Deuteranopia

11.9559, 11.8006, 3.6551



Tritanopia

14.0389, 11.8415, 11.4432

Trichromacy



Original Color

12.3686, 11.7575, 3.7154

Protanomaly

11.2307, 11.6833, 3.8537

Deuteranomaly

12.0092, 11.7003, 3.6329

Tritanomaly

13.3632, 11.8095, 7.8785

Monochromacy



Original Color

12.3686, 11.7575, 3.7154

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.1282, 11.4009, 8.2707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3686, 11.7575, 3.7154 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, 90, 41)` looks like.

```
.text, #text, p{  
    color:rgb(124, 90, 41)  
}
```

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, 90, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 90, 41) }
```

Border

The CSS property to change the border of an element to XYZ 12.3686, 11.7575, 3.7154 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, 90, 41) }
```


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

```
.border{ border-color:rgb(124, 90, 41) }
```

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

Here you see how a box with a 4 pixel rgb(124, 90, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 90, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 90, 41);  
box-shadow:4px 4px 4px 4px rgb(124, 90,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3686, 11.7575, 3.7154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 90, 41) }
```

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

```
.background{ background-color: rgb(124, 90,  
41) }
```

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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