

Converting Colors

XYZ(16.2551, 11.1112, 3.7706)

Have a look what the booklet for
XYZ(16.2551, 11.1112, 3.7706)
contains.

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Color

**XYZ(16.2686, 11.1382,
3.7751)**

Conversions

Conversions Part 1

Format	Color
Hex	9D412D
RGB	157, 65, 45
RGB Percent	62%, 25%, 18%
CMY	0.3843, 0.7451, 0.8235
CMYK	0.00, 0.59, 0.71, 0.38
HSL	11°, 55%, 40%
HSV	11°, 71%, 62%
XYZ	16.2686, 11.1382, 3.7751
YIQ	90.2280, 61.2520, 13.2840

Conversions

Conversions Part 2

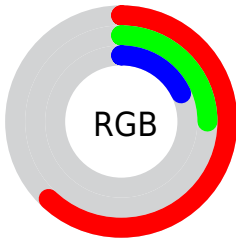
Format	Color
R_{YB}	157, 69, 45
Decimal	10305837
CIE _{Lab}	39.81, 37.04, 31.01
CIE _{LCh}	40, 48.311, 39.936
Yxy	11.1382, 0.5217, 0.3572
Android (android.graphics.Color)	4288495917 (0xFF9D412D)
YUV	90.2280, -22.2974, 58.5590
Hunter-Lab	33.3739, 28.6080, 16.6552

Details

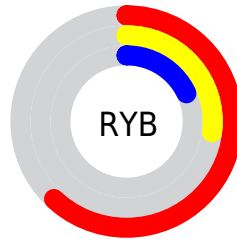
The XYZ color **16.2686, 11.1382, 3.7751** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **16.1129, 20.8820, 35.0794**, and the grayscale version is **9.8088, 10.3196, 11.2381**.

A 20% lighter version of the original color is **36.4961, 27.8624, 13.5796**, and **5.3870, 2.9723, 0.2898** is the 20% darker color. If you saturate the color by 10%, you get **15.3630, 9.7241, 2.2492**, and if you desaturate by 10%, it is **17.4562, 12.9366, 5.9498**.

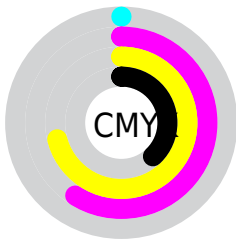
Distribution



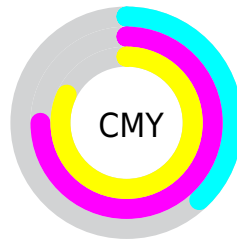
- Red (62%)
- Green (25%)
- Blue (18%)



- Red (62%)
- Yellow (27%)
- Blue (18%)



- Cyan (0%)
- Magenta (59%)
- Yellow (71%)
- Black (38%)





- Cyan (38%)
- Magenta (75%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2686, 11.1382, 3.7751 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 16.2686, 11.1382, 3.7751 by changing the saturation by 10% instead.


 16.2686, 11.1382,
3.7751


 16.2686, 11.1382,
3.7751


224.1609,
198.6132, 145.6918


 9.8065, 6.1599,
1.5028


 36.6176, 27.9154,
13.4877


 5.3321, 2.9425,
0.2200

 51.2351, 40.4831,
21.7650


 2.4802, 1.1018,
0.0000

 69.3019, 56.3494,
32.8811

 0.8853, 0.0000,
0.0000

 91.1832, 75.8987,
47.2545

 0.0000, 0.0000,
0.0000

 117.2443, 99.5153,
65.3037

 147.8508,

127.5836, 87.4473

183.3678,
160.4882, 114.1038

■ 16.2686, 11.1382,
3.7751

■ 16.2686, 11.1382,
3.7751

■ 15.3630, 9.7241,
2.2492

■ 17.4562, 12.9366,
5.9498

■ 14.7137, 8.6639,
1.2982

■ 18.9468, 15.1430,
8.8351

■ 14.3208, 8.0006,
0.7895

■ 20.7602, 17.7815,
12.4864

■ 22.9142, 20.8735,
16.9532

■ 25.4253, 24.4391,
22.2809

■ 28.3091, 28.4973,
28.5116

■ 31.5799, 33.0658,
35.6846

■ 35.2515, 38.1617,
43.8369

■ 39.3370, 43.8010,
53.0033

Harmonies

Analogous

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



18.1934, 11.1382, 9.2411



16.2686, 11.1382, 3.7751



12.9289, 11.1382, 1.7894

Triad

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



16.2686, 11.1382, 3.7751



5.6547, 11.1382, 6.8784



11.7256, 11.1382, 40.4837

Complementary

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



16.2686, 11.1382, 3.7751



16.1129, 20.8820, 35.0794

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.



8.5457, 11.1382, 38.6479



16.2686, 11.1382, 3.7751



5.4650, 11.1382, 15.5601

Square

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



16.2686, 11.1382, 3.7751



6.9975, 11.1382, 2.8216



6.4105, 11.1382, 28.0378



15.2312, 11.1382, 32.2167

Rectangle

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



16.2686, 11.1382, 3.7751



10.5937, 11.1382, 1.4974



6.4105, 11.1382, 28.0378



10.5794, 11.1382, 41.0986

Sweetspot

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



16.2689, 11.1388, 3.7753



45.5020, 43.7223, 39.8333



19.4546, 10.8896, 25.2479



9.7480, 9.2466, 8.2000



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.2689, 11.1388, 3.7753



26.7287, 16.1448, 2.8416



21.0547, 20.7104, 5.3706



6.7241, 6.8283, 6.9493



11.6517, 6.5389, 0.6480



0.2316, 0.1634, 0.0193

Inverse Universe

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



16.1129, 20.8820, 35.0794



26.2725, 34.3726, 62.3766



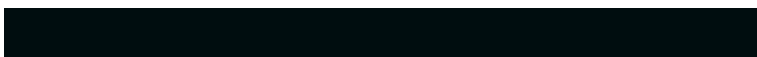
10.2105, 9.0773, 33.1120



6.7210, 7.3078, 8.4630



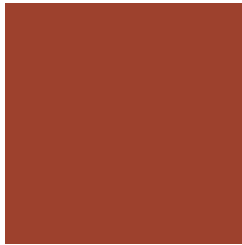
11.3383, 14.7681, 28.1602



0.2268, 0.3123, 0.5115

Previews

White Background



This preview shows how the XYZ color 16.2686, 11.1382, 3.7751 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 16.2686, 11.1382, 3.7751 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 16.2686, 11.1382, 3.7751

Background



This preview shows how black text looks on a background with the XYZ color 16.2686, 11.1382, 3.7751.



This preview shows how white text looks on a background with the XYZ color 16.2686, 11.1382,

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

16.2686, 11.1382, 3.7751

Protanopia

10.4907, 11.4033, 5.2626

Deuteranopia

11.3753, 11.2474, 3.5789



Tritanopia

16.8065, 11.1077, 6.4125

Trichromacy



Original Color

16.2686, 11.1382, 3.7751

Protanomaly

11.9362, 10.7906, 4.5857

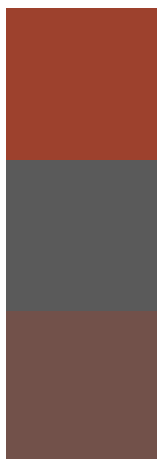
Deuteranomaly

12.8761, 10.9576, 3.6269

Tritanomaly

16.6418, 11.1296, 5.2741

Monochromacy



Original Color

16.2686, 11.1382, 3.7751

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.1179, 9.9567, 7.8144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2686, 11.1382, 3.7751 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(157, 65, 45)` looks like.

```
.text, #text, p{  
    color:rgb(157, 65, 45)  
}
```

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(157, 65, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 65, 45) }
```

Border

The CSS property to change the border of an element to XYZ 16.2686, 11.1382, 3.7751 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(157, 65, 45) }
```


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

```
.border{ border-color:rgb(157, 65, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 65, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 65, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 65, 45);  
box-shadow:4px 4px 4px 4px rgb(157, 65,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2686, 11.1382, 3.7751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 65, 45) }
```

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

```
.background{ background-color: rgb(157, 65,  
45) }
```

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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