

Converting Colors

XYZ(13.8323, 11.5661, 2.9087)

Have a look what the booklet for
XYZ(13.8323, 11.5661, 2.9087)
contains.

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Color

**XYZ(13.7730, 11.5477,
2.9418)**

Conversions

Conversions Part 1

Format	Color
Hex	8A5221
RGB	138, 82, 33
RGB Percent	54%, 32%, 13%
CMY	0.4588, 0.6784, 0.8706
CMYK	0.00, 0.41, 0.76, 0.46
HSL	28°, 61%, 34%
HSV	28°, 76%, 54%
XYZ	13.7730, 11.5477, 2.9418
YIQ	93.1580, 49.1050, -3.3670

Conversions

Conversions Part 2

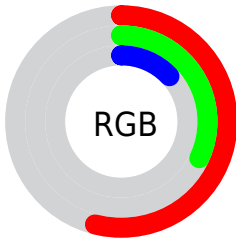
Format	Color
R_{YB}	138, 125, 33
Decimal	9064993
CIE _{Lab}	40.49, 19.14, 37.38
CIE _{LCh}	40, 41.995, 62.885
Yxy	11.5477, 0.4873, 0.4086
Android (android.graphics.Color)	4287255073 (0xFF8A5221)
YUV	93.1580, -29.6579, 39.3264
Hunter-Lab	33.9819, 12.8784, 18.6546

Details

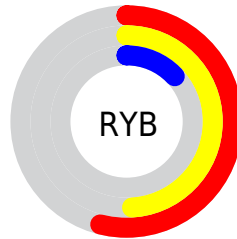
The XYZ color **13.7730, 11.5477, 2.9418** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **8.7866, 9.3023, 25.3769**, and the grayscale version is **10.5009, 11.0477, 12.0310**.

A 20% lighter version of the original color is **32.2049, 28.6838, 11.4286**, and **4.1982, 3.1008, 0.3772** is the 20% darker color. If you saturate the color by 10%, you get **13.0924, 10.4351, 1.9492**, and if you desaturate by 10%, it is **14.5929, 12.8123, 4.3722**.

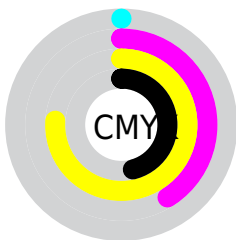
Distribution



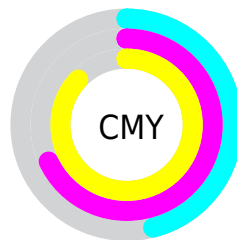
- Red (54%)
- Green (32%)
- Blue (13%)



- Red (54%)
- Yellow (49%)
- Blue (13%)



- Cyan (0%)
- Magenta (41%)
- Yellow (76%)
- Black (46%)



- Cyan (46%)
- Magenta (68%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7730, 11.5477, 2.9418 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 13.7730, 11.5477, 2.9418 by changing the saturation by 10% instead.

■ 13.7730, 11.5477,
2.9418

■ 13.7730, 11.5477,
2.9418

209.3530,
201.3875, 135.6159

■ 8.0436, 6.4365,
1.0650

■ 32.2753, 28.6686,
11.4845

■ 4.1749, 3.1123,
0.0000

■ 45.7790, 41.4471,
18.9874

■ 1.8015, 1.1906,
0.0000

■ 62.6048, 57.5501,
29.2029

■ 0.5186, 0.0540,
0.0000

■ 83.1180, 77.3621,
42.5493

■ 0.0000, 0.0000,
0.0000

■ 107.6841,
101.2675, 59.4453

■ 136.6684,

129.6506, 80.3093

170.4363,
162.8958, 105.5600

13.7730, 11.5477,
2.9418

13.7730, 11.5477,
2.9418

13.0924, 10.4351,
1.9492

14.5929, 12.8123,
4.3722

12.5349, 9.4634,
1.3211

15.5619, 14.2342,
6.2859

12.3375, 9.1159,
1.1093

16.6893, 15.8203,
8.7235

17.9837, 17.5767,
11.7209

19.4526, 19.5089,
15.3108

■ 21.1033, 21.6224,
19.5234

■ 22.9425, 23.9220,
24.3869

■ 24.9765, 26.4127,
29.9275

■ 27.2114, 29.0992,
36.1704

Harmonies

Analogous

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



16.4690, 11.5477, 5.6486



13.7730, 11.5477, 2.9418



10.6924, 11.5477, 2.3206

Triad

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



13.7730, 11.5477, 2.9418



6.2247, 11.5477, 13.4101



14.3571, 11.5477, 31.7748

Complementary

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



13.7730, 11.5477, 2.9418



8.7866, 9.3023, 25.3769

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.



11.2641, 11.5477, 36.8174



13.7730, 11.5477, 2.9418



6.8640, 11.5477, 23.6335

Square

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



13.7730, 11.5477, 2.9418



6.6571, 11.5477, 6.5218



8.5854, 11.5477, 33.3180



16.8465, 11.5477, 21.5389

Rectangle

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



13.7730, 11.5477, 2.9418



8.9120, 11.5477, 2.7533



8.5854, 11.5477, 33.3180



13.3358, 11.5477, 34.2990

Sweetspot

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



13.7733, 11.5483, 2.9420



35.0128, 35.3239, 28.8075



12.8281, 7.2122, 10.1672



7.6558, 7.6677, 5.9659



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.7733, 11.5483, 2.9420



22.3854, 17.1945, 2.6318



19.3499, 22.7015, 4.8009



5.2127, 5.4082, 5.3216



11.3263, 8.3869, 1.0219



0.0897, 0.0846, 0.0116

Inverse Universe

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



8.7866, 9.3023, 25.3769



13.1204, 12.9841, 44.1978



5.8607, 3.4506, 24.4016



4.9810, 5.3049, 6.3673



6.4411, 6.1526, 22.8938



0.0575, 0.0702, 0.1570

Previews

White Background



This preview shows how the XYZ color 13.7730, 11.5477, 2.9418 looks on a white background.

Color Contrast Check

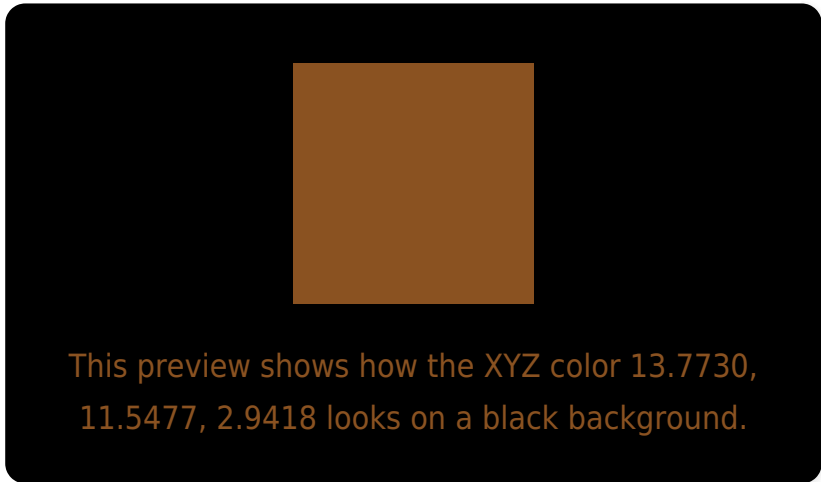
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 13.7730, 11.5477, 2.9418

Background



This preview shows how black text looks on a background with the XYZ color 13.7730, 11.5477, 2.9418.



This preview shows how white text looks on a background with the XYZ color 13.7730, 11.5477,

2.9418.

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

13.7730, 11.5477, 2.9418

Protanopia

10.5802, 11.6251, 3.4365

Deuteranopia

11.7212, 11.5690, 2.8436



Tritanopia

15.1997, 11.5950, 9.6206

Trichromacy



Original Color

13.7730, 11.5477, 2.9418

Protanomaly

11.5307, 11.4611, 3.2735

Deuteranomaly

12.4894, 11.5904, 2.8752

Tritanomaly

14.5653, 11.5491, 6.4625

Monochromacy



Original Color

13.7730, 11.5477, 2.9418

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.0164, 10.8509, 7.4750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7730, 11.5477, 2.9418 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(138, 82, 33)` looks like.

```
.text, #text, p{  
    color:rgb(138, 82, 33)  
}
```

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(138, 82, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 82, 33) }
```

Border

The CSS property to change the border of an element to XYZ 13.7730, 11.5477, 2.9418 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(138, 82, 33) }
```


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

```
.border{ border-color:rgb(138, 82, 33) }
```

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

Here you see how a box with a 4 pixel rgb(138, 82, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 82, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 82, 33);  
box-shadow:4px 4px 4px 4px rgb(138, 82,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7730, 11.5477, 2.9418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 82, 33) }
```

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

```
.background{ background-color: rgb(138, 82,  
33) }
```

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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