

Converting Colors

XYZ(13.3733, 9.3699, 3.1098)

Have a look what the booklet for
XYZ(13.3733, 9.3699, 3.1098)
contains.

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Color

**XYZ(13.4333, 9.4381,
3.1212)**

Conversions

Conversions Part 1

Format	Color
Hex	8F3E28
RGB	143, 62, 40
RGB Percent	56%, 24%, 16%
CMY	0.4392, 0.7568, 0.8431
CMYK	0.00, 0.57, 0.72, 0.44
HSL	13°, 56%, 36%
HSV	13°, 72%, 56%
XYZ	13.4333, 9.4381, 3.1212
YIQ	83.7110, 55.3380, 10.3300

Conversions

Conversions Part 2

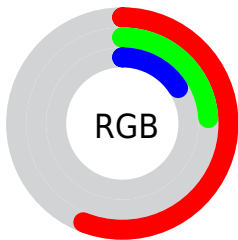
Format	Color
R_{YB}	143, 68, 40
Decimal	9387560
CIE Lab	36.81, 32.80, 29.85
CIE LCh	37, 44.348, 42.306
Yxy	9.4381, 0.5168, 0.3631
Android (android.graphics.Color)	4287577640 (0xFF8F3E28)
YUV	83.7110, -21.5495, 51.9965
Hunter-Lab	30.7215, 24.2884, 15.4814

Details

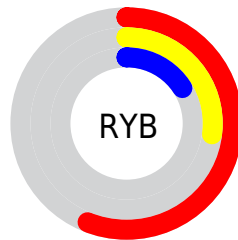
The XYZ color **13.4333, 9.4381, 3.1212** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **12.6697, 16.1078, 28.4277**, and the grayscale version is **8.4026, 8.8402, 9.6270**.

A 20% lighter version of the original color is **31.5613, 24.6777, 11.9039**, and **4.0502, 2.2656, 0.2238** is the 20% darker color. If you saturate the color by 10%, you get **12.6841, 8.2596, 1.8856**, and if you desaturate by 10%, it is **14.3995, 10.9068, 4.8734**.

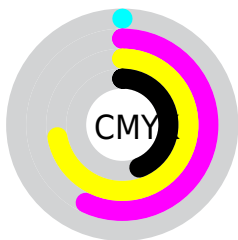
Distribution



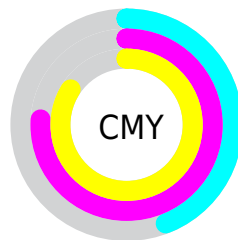
- Red (56%)
- Green (24%)
- Blue (16%)



- Red (56%)
- Yellow (27%)
- Blue (16%)



- Cyan (0%)
- Magenta (57%)
- Yellow (72%)
- Black (44%)



- Cyan (44%)
- Magenta (76%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4333, 9.4381, 3.1212 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 13.4333, 9.4381, 3.1212 by changing the saturation by 10% instead.

■ 13.4333, 9.4381,
3.1212

■ 13.4333, 9.4381,
3.1212

207.2582,
186.6133, 137.8896

■ 7.8066, 5.0280,
1.1568

■ 31.6748, 24.7331,
11.9261

■ 4.0222, 2.2637,
0.0000

■ 45.0203, 36.3869,
19.6037

■ 1.7147, 0.7544,
0.0000

■ 61.6696, 51.2239,
30.0228

■ 0.4655, 0.0000,
0.0000

■ 81.9878, 69.6288,
43.6019

■ 0.0000, 0.0000,
0.0000

■ 106.3405, 91.9857,
60.7596

■ 135.0928,

118.6792, 81.9144

168.6103,
150.0936, 107.4849

13.4333, 9.4381,
3.1212

13.4333, 9.4381,
3.1212

12.6841, 8.2596,
1.8856

14.3995, 10.9068,
4.8734

12.1329, 7.3498,
1.1081

15.5983, 12.6821,
7.1912

11.8059, 6.7962,
0.6896

17.0443, 14.7810,
10.1182

18.7507, 17.2187,
13.6936

20.7300, 20.0094,
17.9534

■ 22.9936, 23.1667,
22.9309

■ 25.5522, 26.7032,
28.6572

■ 28.4162, 30.6310,
35.1616

■ 31.5953, 34.9617,
42.4718

Harmonies

Analogous

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



15.1296, 9.4381, 7.3970



13.4333, 9.4381, 3.1212



10.6602, 9.4381, 1.5827

Triad

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



13.4333, 9.4381, 3.1212



4.8456, 9.4381, 6.3553



10.1351, 9.4381, 33.0334

Complementary

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



13.4333, 9.4381, 3.1212



12.6697, 16.1078, 28.4277

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.



7.4697, 9.4381, 32.2442



13.4333, 9.4381, 3.1212



4.7615, 9.4381, 13.8203

Square

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



13.4333, 9.4381, 3.1212



5.8843, 9.4381, 2.6917



5.6252, 9.4381, 24.0576



12.9824, 9.4381, 25.8603

Rectangle

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



13.4333, 9.4381, 3.1212



8.7613, 9.4381, 1.3904



5.6252, 9.4381, 24.0576



9.1833, 9.4381, 33.7636

Sweetspot

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



13.4335, 9.4386, 3.1214



36.9589, 35.6018, 31.7917



15.6241, 8.7723, 19.4122



8.2720, 7.8784, 6.8491



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.4335, 9.4386, 3.1214



22.1029, 13.7920, 2.4780



17.5158, 17.6032, 4.4821



5.4965, 5.5993, 5.6804



10.4521, 6.0359, 0.6142



0.1135, 0.0848, 0.0104

Inverse Universe

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



12.6697, 16.1078, 28.4277



20.5264, 26.2118, 50.5156



8.0799, 6.9281, 26.8978



5.4638, 5.9235, 6.8841



9.5663, 12.1187, 24.8120



0.1072, 0.1474, 0.2425

Previews

White Background



This preview shows how the XYZ color 13.4333, 9.4381, 3.1212 looks on a white background.

Color Contrast Check

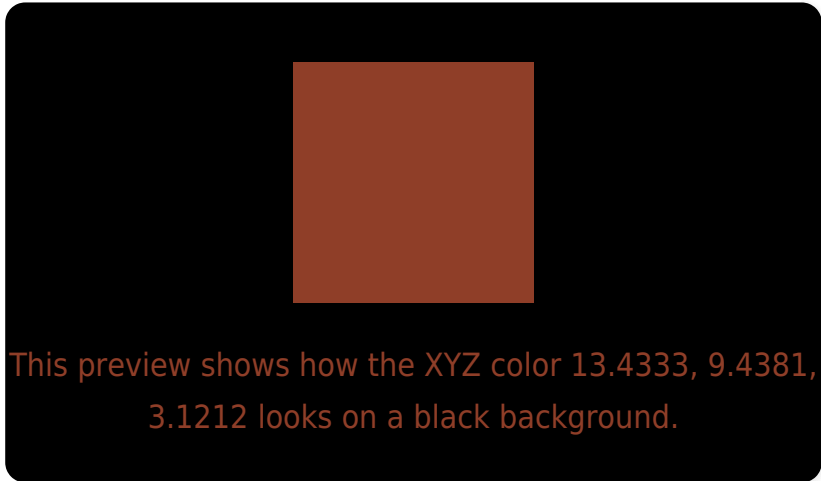
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 13.4333, 9.4381, 3.1212

Background



This preview shows how black text looks on a background with the XYZ color 13.4333, 9.4381, 3.1212.



This preview shows how white text looks on a background with the XYZ color 13.4333, 9.4381,

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

13.4333, 9.4381, 3.1212

Protanopia

8.7656, 9.5166, 4.1712

Deuteranopia

9.7033, 9.5591, 2.9238



Tritanopia

13.9628, 9.4161, 5.7842

Trichromacy



Original Color

13.4333, 9.4381, 3.1212

Protanomaly

10.0081, 9.1490, 3.7211

Deuteranomaly

10.7352, 9.2307, 2.9662

Tritanomaly

13.8070, 9.4368, 4.7082

Monochromacy



Original Color

13.4333, 9.4381, 3.1212

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

9.4535, 8.5895, 6.6285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4333, 9.4381, 3.1212 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(143, 62, 40)` looks like.

```
.text, #text, p{  
    color:rgb(143, 62, 40)  
}
```

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(143, 62, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 62, 40) }
```

Border

The CSS property to change the border of an element to XYZ 13.4333, 9.4381, 3.1212 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(143, 62, 40) }
```


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

```
.border{ border-color:rgb(143, 62, 40) }
```

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

Here you see how a box with a 4 pixel rgb(143, 62, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 62, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 62, 40);  
box-shadow:4px 4px 4px 4px rgb(143, 62,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4333, 9.4381, 3.1212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 62, 40) }
```

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

```
.background{ background-color: rgb(143, 62,  
40) }
```

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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