

Converting Colors

XYZ(13.6140, 9.5378, 3.8378)

Have a look what the booklet for
XYZ(13.6140, 9.5378, 3.8378)
contains.

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Color

**XYZ(13.5634, 9.4901,
3.8062)**

Conversions

Conversions Part 1

Format	Color
Hex	8F3E2F
RGB	143, 62, 47
RGB Percent	56%, 24%, 18%
CMY	0.4392, 0.7568, 0.8157
CMYK	0.00, 0.57, 0.67, 0.44
HSL	9°, 51%, 37%
HSV	9°, 67%, 56%
XYZ	13.5634, 9.4901, 3.8062
YIQ	84.5090, 53.0910, 12.5070

Conversions

Conversions Part 2

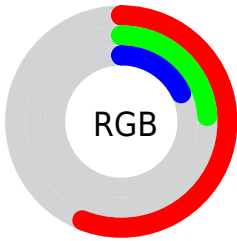
Format	Color
R_{YB}	143, 65, 47
Decimal	9387567
CIE _{Lab}	36.91, 33.22, 25.83
CIE _{LCh}	37, 42.080, 37.870
Yxy	9.4901, 0.5050, 0.3533
Android (android.graphics.Color)	4287577647 (0xFF8F3E2F)
YUV	84.5090, -18.4919, 51.2966
Hunter-Lab	30.8060, 24.6802, 14.2387

Details

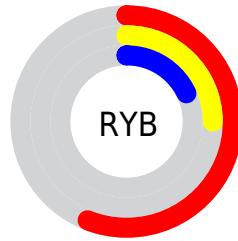
The XYZ color **13.5634, 9.4901, 3.8062** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **13.8488, 18.0246, 28.7357**, and the grayscale version is **8.5620, 9.0079, 9.8096**.

A 20% lighter version of the original color is **31.8573, 24.7962, 13.4630**, and **4.0502, 2.2656, 0.2238** is the 20% darker color. If you saturate the color by 10%, you get **12.7360, 8.2238, 2.3330**, and if you desaturate by 10%, it is **14.6315, 11.0867, 5.8262**.

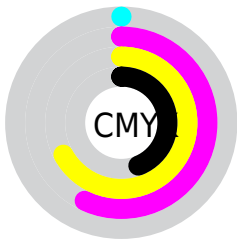
Distribution



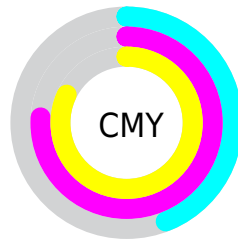
- Red (56%)
- Green (24%)
- Blue (18%)



- Red (56%)
- Yellow (25%)
- Blue (18%)



- Cyan (0%)
- Magenta (57%)
- Yellow (67%)
- Black (44%)



- Cyan (44%)
- Magenta (76%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.5634, 9.4901, 3.8062 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 13.5634, 9.4901, 3.8062 by changing the saturation by 10% instead.


 13.5634, 9.4901,
3.8062


 13.5634, 9.4901,
3.8062


208.0630,
186.9931, 146.0463


 7.8973, 5.0622,
1.5196


 31.9051, 24.8319,
13.5603


 4.0806, 2.2838,
0.2325

 45.3114, 36.5146,
21.8649


 1.7478, 0.7651,
0.0000

 62.0285, 51.3844,
33.0126

 0.4859, 0.0000,
0.0000

 82.4217, 69.8256,
47.4219

 0.0000, 0.0000,
0.0000

 106.8564, 92.2227,
65.5114

 135.6979,

118.9601, 87.6996

169.3117,
150.4221, 114.4050

■ 13.5634, 9.4901,
3.8062

■ 13.5634, 9.4901,
3.8062

■ 12.7360, 8.2238,
2.3330

■ 14.6315, 11.0867,
5.8262

■ 12.1292, 7.2628,
1.3522

■ 15.9568, 13.0330,
8.4395

■ 11.7153, 6.5790,
0.7702

■ 17.5552, 15.3489,
11.6880

■ 11.6213, 6.4269,
0.6280

■ 19.4410, 18.0522,
15.6099

■ 21.6275, 21.1597,
20.2402

■ 24.1272, 24.6870,
25.6114

■ 26.9518, 28.6490,
31.7543

■ 30.1125, 33.0599,
38.6977

■ 33.6199, 37.9332,
46.4688

Harmonies

Analogous

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



14.9249, 9.4901, 8.4962



13.5634, 9.4901, 3.8062



11.0347, 9.4901, 1.9410

Triad

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



13.5634, 9.4901, 3.8062



5.1405, 9.4901, 5.8283



9.7211, 9.4901, 31.9556

Complementary

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



13.5634, 9.4901, 3.8062



13.8488, 18.0246, 28.7357

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.



7.2669, 9.4901, 30.0449



13.5634, 9.4901, 3.8062



4.9231, 9.4901, 12.4173

Square

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



13.5634, 9.4901, 3.8062



6.2891, 9.4901, 2.6566



5.6249, 9.4901, 21.8312



12.4453, 9.4901, 26.2301

Rectangle

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



13.5634, 9.4901, 3.8062



9.2069, 9.4901, 1.6185



5.6249, 9.4901, 21.8312



8.8358, 9.4901, 32.2212

Sweetspot

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



13.5636, 9.4906, 3.8064



37.3825, 35.9811, 33.3751



16.2801, 9.4470, 21.5951



8.3449, 7.9278, 7.1711



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.



13.5636, 9.4906, 3.8064



22.1557, 13.7027, 3.0961



17.3521, 17.0677, 5.0692



5.4728, 5.5518, 5.6725



10.2863, 5.7042, 0.5589



0.1087, 0.0753, 0.0088

Inverse Universe

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



13.8488, 18.0246, 28.7357



22.6079, 29.9620, 51.1297



9.0430, 8.4131, 27.1338



5.4895, 5.9748, 6.8927



10.4041, 13.7941, 25.0913



0.1120, 0.1569, 0.2441

Previews

White Background



This preview shows how the XYZ color 13.5634, 9.4901, 3.8062 looks on a white background.

Color Contrast Check

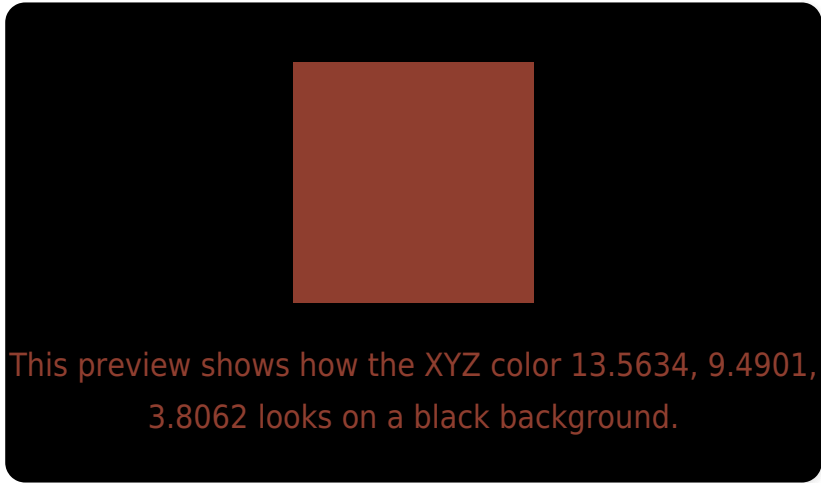
Large Text (above 18pt) WCAG AA ✓ Pass

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

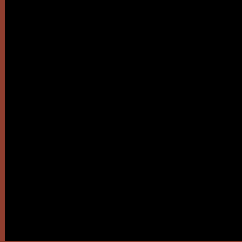
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.5634, 9.4901, 3.8062

Background



This preview shows how black text looks on a background with the XYZ color 13.5634, 9.4901, 3.8062.



This preview shows how white text looks on a background with the XYZ color 13.5634, 9.4901,

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

13.5634, 9.4901, 3.8062

Protanopia

8.9228, 9.6979, 5.1430

Deuteranopia

9.7136, 9.5491, 3.6167



Tritanopia

14.0429, 9.5312, 5.9500

Trichromacy



Original Color

13.5634, 9.4901, 3.8062

Protanomaly

10.1207, 9.2938, 4.6286

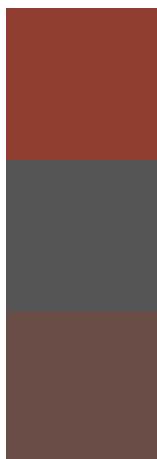
Deuteranomaly

10.8559, 9.2790, 3.6017

Tritanomaly

13.9341, 9.5723, 5.1162

Monochromacy



Original Color

13.5634, 9.4901, 3.8062

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.7351, 8.8269, 7.1519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5634, 9.4901, 3.8062 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, 47)` looks like.

```
.text, #text, p{  
    color:rgb(143, 62, 47)  
}
```

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, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 62, 47) }
```

Border

The CSS property to change the border of an element to XYZ 13.5634, 9.4901, 3.8062 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, 47) }
```


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

```
.border{ border-color:rgb(143, 62, 47) }
```

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, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 62, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 62, 47);  
box-shadow:4px 4px 4px 4px rgb(143, 62,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5634, 9.4901, 3.8062 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, 47) }
```

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

```
.background{ background-color: rgb(143, 62,  
47) }
```

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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