

Converting Colors

XYZ(13.6618, 9.1528, 3.7421)

Have a look what the booklet for
XYZ(13.6618, 9.1528, 3.7421)
contains.

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Color

**XYZ(13.6533, 9.1512,
3.7361)**

Conversions

Conversions Part 1

Format	Color
Hex	91392F
RGB	145, 57, 47
RGB Percent	57%, 22%, 18%
CMY	0.4314, 0.7765, 0.8157
CMYK	0.00, 0.61, 0.68, 0.43
HSL	6°, 51%, 38%
HSV	6°, 68%, 57%
XYZ	13.6533, 9.1512, 3.7361
YIQ	82.1720, 55.6580, 15.5460

Conversions

Conversions Part 2

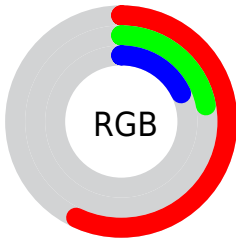
Format	Color
R_{YB}	145, 58, 47
Decimal	9517359
CIE _{Lab}	36.27, 36.54, 25.14
CIE _{LCh}	36, 44.353, 34.523
Yxy	9.1512, 0.5144, 0.3448
Android (android.graphics.Color)	4287707439 (0xFF91392F)
YUV	82.1720, -17.3398, 55.1002
Hunter-Lab	30.2510, 27.6241, 13.8531

Details

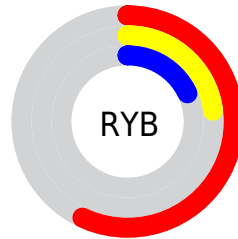
The XYZ color **13.6533, 9.1512, 3.7361** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **14.9466, 19.9755, 29.8559**, and the grayscale version is **8.0808, 8.5016, 9.2583**.

A 20% lighter version of the original color is **31.9669, 24.2119, 13.3445**, and **4.1415, 2.1673, 0.2000** is the 20% darker color. If you saturate the color by 10%, you get **12.8447, 7.9270, 2.2555**, and if you desaturate by 10%, it is **14.7246, 10.7455, 5.7840**.

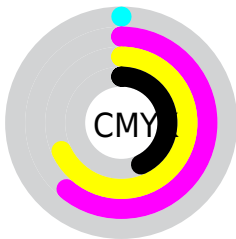
Distribution



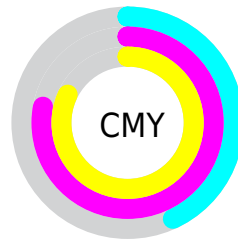
- Red (57%)
- Green (22%)
- Blue (18%)



- Red (57%)
- Yellow (23%)
- Blue (18%)



- Cyan (0%)
- Magenta (61%)
- Yellow (68%)
- Black (43%)





- Cyan (43%)
- Magenta (78%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.6533, 9.1512, 3.7361 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 13.6533, 9.1512, 3.7361 by changing the saturation by 10% instead.


 13.6533, 9.1512,
3.7361


 13.6533, 9.1512,
3.7361


208.6173,
184.5019, 145.2453


 7.9600, 4.8399,
1.4817


 32.0640, 24.1863,
13.3964


 4.1210, 2.1537,
0.2042

 45.5121, 35.6788,
21.6394


 1.7708, 0.6945,
0.0000

 62.2759, 50.3340,
32.7157

 0.5000, 0.0000,
0.0000

 82.7208, 68.5361,
47.0438

 0.0000, 0.0000,
0.0000

 107.2119, 90.6695,
65.0423

 136.1148,

117.1187, 87.1297

169.7948,
148.2680, 113.7245

■ 13.6533, 9.1512,
3.7361

■ 13.6533, 9.1512,
3.7361

■ 12.8447, 7.9270,
2.2555

■ 14.7246, 10.7455,
5.7840

■ 12.2753, 7.0416,
1.2845

■ 16.0782, 12.7349,
8.4483

■ 11.9116, 6.4583,
0.7193

■ 17.7326, 15.1439,
11.7735

■ 11.8451, 6.3558,
0.6025

■ 19.7045, 17.9949,
15.7996

■ 22.0093, 21.3083,
20.5638

■ 24.6614, 25.1035,
26.1002

■ 27.6745, 29.3986,
32.4412

■ 31.0614, 34.2109,
39.6170

■ 34.8343, 39.5569,
47.6565

Harmonies

Analogous

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



14.8890, 9.1512, 8.8484



13.6533, 9.1512, 3.7361



11.0997, 9.1512, 1.7102

Triad

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



13.6533, 9.1512, 3.7361



4.8361, 9.1512, 4.8814



9.1094, 9.1512, 32.9995

Complementary

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



13.6533, 9.1512, 3.7361



14.9466, 19.9755, 29.8559

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.



6.6703, 9.1512, 30.0177



13.6533, 9.1512, 3.7361



4.5165, 9.1512, 11.1699

Square

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



13.6533, 9.1512, 3.7361



6.0996, 9.1512, 2.0941



5.1153, 9.1512, 20.8426



11.9458, 9.1512, 27.6622

Rectangle

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



13.6533, 9.1512, 3.7361



9.1974, 9.1512, 1.3228



5.1153, 9.1512, 20.8426



8.2169, 9.1512, 32.9521

Sweetspot

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



13.6535, 9.1517, 3.7363



38.1848, 36.3939, 34.2733



17.0809, 9.8077, 23.9884



8.2621, 7.7622, 7.1435



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.



13.6535, 9.1517, 3.7363



22.4320, 13.3147, 3.0450



17.3236, 16.4919, 4.9596



5.4505, 5.5072, 5.6651



10.1701, 5.4720, 0.5202



0.1042, 0.0663, 0.0073

Inverse Universe

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



14.9466, 19.9755, 29.8559



24.8374, 33.9579, 53.2190



9.6270, 9.3363, 28.0827



5.5139, 6.0236, 6.9008



11.2642, 15.5143, 25.3780



0.1165, 0.1659, 0.2456

Previews

White Background



This preview shows how the XYZ color 13.6533, 9.1512, 3.7361 looks on a white background.

Color Contrast Check

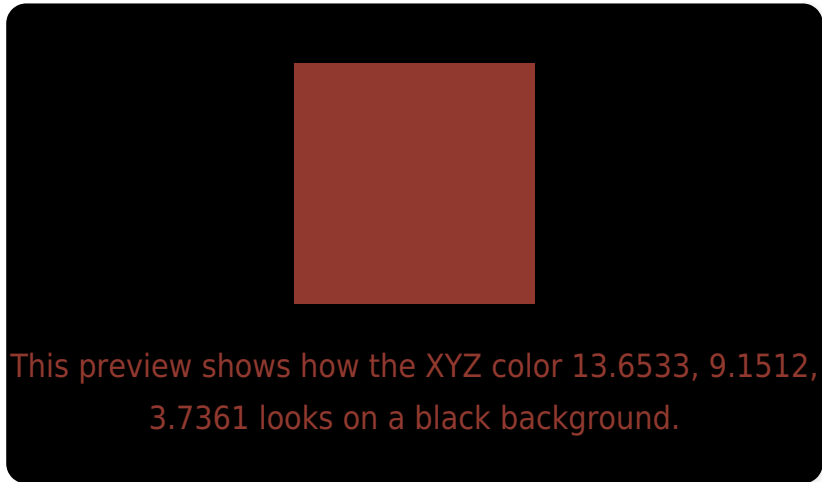
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6533, 9.1512, 3.7361

Background



This preview shows how black text looks on a background with the XYZ color 13.6533, 9.1512, 3.7361.

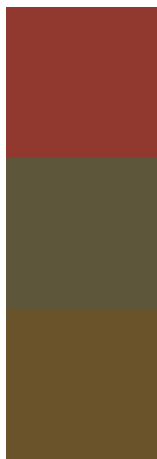


This preview shows how white text looks on a background with the XYZ color 13.6533, 9.1512,

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

13.6533, 9.1512, 3.7361

Protanopia

8.6057, 9.2882, 5.3422

Deuteranopia

9.3791, 9.2659, 3.4847



Tritanopia

14.0097, 9.1591, 5.1672

Trichromacy



Original Color

13.6533, 9.1512, 3.7361

Protanomaly

9.8640, 8.7432, 4.6578

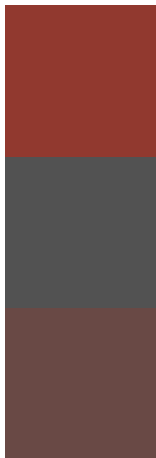
Deuteranomaly

10.5829, 8.9400, 3.5507

Tritanomaly

13.9578, 9.2152, 4.6575

Monochromacy



Original Color

13.6533, 9.1512, 3.7361

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

9.2824, 8.1980, 6.7234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6533, 9.1512, 3.7361 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(145, 57, 47)` looks like.

```
.text, #text, p{  
    color:rgb(145, 57, 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(145, 57, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 57, 47) }
```

Border

The CSS property to change the border of an element to XYZ 13.6533, 9.1512, 3.7361 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(145, 57, 47) }
```


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

```
.border{ border-color:rgb(145, 57, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 57, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 57, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 57, 47);  
box-shadow:4px 4px 4px 4px rgb(145, 57,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6533, 9.1512, 3.7361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 57, 47) }
```

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

```
.background{ background-color: rgb(145, 57,  
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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