

Converting Colors

XYZ(14.8849, 9.3302, 4.0897)

Have a look what the booklet for
XYZ(14.8849, 9.3302, 4.0897)
contains.

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Color

**XYZ(14.8532, 9.2838,
4.0267)**

Conversions

Conversions Part 1

Format	Color
Hex	993232
RGB	153, 50, 50
RGB Percent	60%, 20%, 20%
CMY	0.4000, 0.8039, 0.8039
CMYK	0.00, 0.67, 0.67, 0.40
HSL	0°, 51%, 40%
HSV	0°, 67%, 60%
XYZ	14.8532, 9.2838, 4.0267
YIQ	80.7970, 61.3880, 21.8360

Conversions

Conversions Part 2

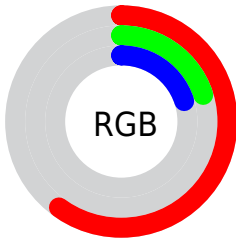
Format	Color
R_{YB}	153, 50, 50
Decimal	10039858
CIE _{Lab}	36.53, 42.92, 23.93
CIE _{LCh}	37, 49.135, 29.141
Yxy	9.2838, 0.5274, 0.3296
Android (android.graphics.Color)	4288229938 (0xFF993232)
YUV	80.7970, -15.1829, 63.3220
Hunter-Lab	30.4693, 33.6939, 13.4930

Details

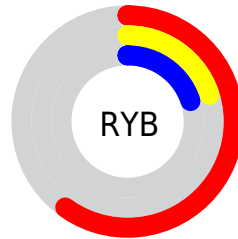
The XYZ color **14.8532, 9.2838, 4.0267** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **18.4553, 25.7583, 34.1360**, and the grayscale version is **7.8020, 8.2083, 8.9388**.

A 20% lighter version of the original color is **34.0141, 24.3443, 13.9725**, and **4.8513, 2.4978, 0.3700** is the 20% darker color. If you saturate the color by 10%, you get **14.0282, 8.0768, 2.3865**, and if you desaturate by 10%, it is **16.0076, 10.9732, 6.3211**.

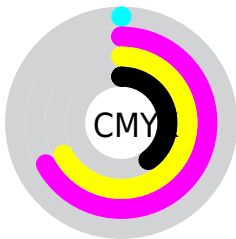
Distribution



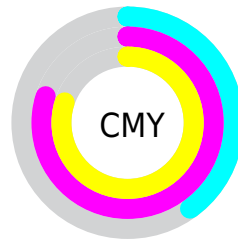
- Red (60%)
- Green (20%)
- Blue (20%)



- Red (60%)
- Yellow (20%)
- Blue (20%)



- Cyan (0%)
- Magenta (67%)
- Yellow (67%)
- Black (40%)





- Cyan (40%)
- Magenta (80%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.8532, 9.2838, 4.0267 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 14.8532, 9.2838, 4.0267 by changing the saturation by 10% instead.


 14.8532, 9.2838,
4.0267

 14.8532, 9.2838,
4.0267


215.8820,
185.4811, 148.5217


 8.8021, 4.9268,
1.6400


 34.1692, 24.4394,
14.0713


 4.6684, 2.2043,
0.3191

 48.1648, 36.0067,
22.5663

 2.0868, 0.7224,
0.0000

 65.5393, 50.7463,
33.9344

 0.6820, 0.0000,
0.0000

 86.6580, 69.0424,
48.5943

 0.0000, 0.0000,
0.0000

 111.8862, 91.2796,
66.9644

 141.5894,

117.8422, 89.4633

176.1329,
149.1146, 116.5096

■ 14.8532, 9.2838,
4.0267

■ 14.8532, 9.2838,
4.0267

■ 14.0282, 8.0768,
2.3865

■ 16.0076, 10.9732,
6.3211

■ 13.4976, 7.3004,
1.3319

■ 17.5202, 13.1866,
9.3281

■ 13.2039, 6.8705,
0.7480

■ 19.4176, 15.9631,
13.1000

■ 13.1369, 6.7725,
0.6148

■ 21.7237, 19.3376,
17.6844

■ 24.4602, 23.3419,
23.1246

■ 27.6477, 28.0061,
29.4611

■ 31.3050, 33.3578,
36.7319

■ 35.4503, 39.4234,
44.9725

■ 40.1004, 46.2277,
54.2169

Harmonies

Analogous

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



15.9052, 9.2838, 10.3572



14.8532, 9.2838, 4.0267



12.1110, 9.2838, 1.5413

Triad

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



14.8532, 9.2838, 4.0267



4.7539, 9.2838, 3.7998



8.7381, 9.2838, 37.0995

Complementary

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



14.8532, 9.2838, 4.0267



18.4553, 25.7583, 34.1360

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.



6.1930, 9.2838, 31.8326



14.8532, 9.2838, 4.0267



4.2359, 9.2838, 9.8638

Square

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



14.8532, 9.2838, 4.0267



6.3116, 9.2838, 1.4720



4.6971, 9.2838, 20.4241



11.9277, 9.2838, 32.3656

Rectangle

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



14.8532, 9.2838, 4.0267



9.9512, 9.2838, 1.0305



4.6971, 9.2838, 20.4241



7.7853, 9.2838, 36.4072

Sweetspot

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



14.8534, 9.2843, 4.0268



42.2143, 39.4742, 38.2499



20.0272, 11.3534, 31.2727



9.0407, 8.3057, 7.8882



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



14.8534, 9.2843, 4.0268



24.5599, 13.6406, 3.1545



18.4149, 16.4073, 5.2140



6.2088, 6.2227, 6.4797



10.8575, 5.5974, 0.5081



0.1623, 0.0837, 0.0076

Inverse Universe

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



18.4553, 25.7583, 34.1360



31.4870, 45.3233, 61.0607



11.7675, 12.3828, 31.9067



6.3846, 7.0265, 7.9487



14.1655, 20.7277, 28.1619



0.2118, 0.3099, 0.4210

Previews

White Background



This preview shows how the XYZ color 14.8532, 9.2838, 4.0267 looks on a white background.

Color Contrast Check

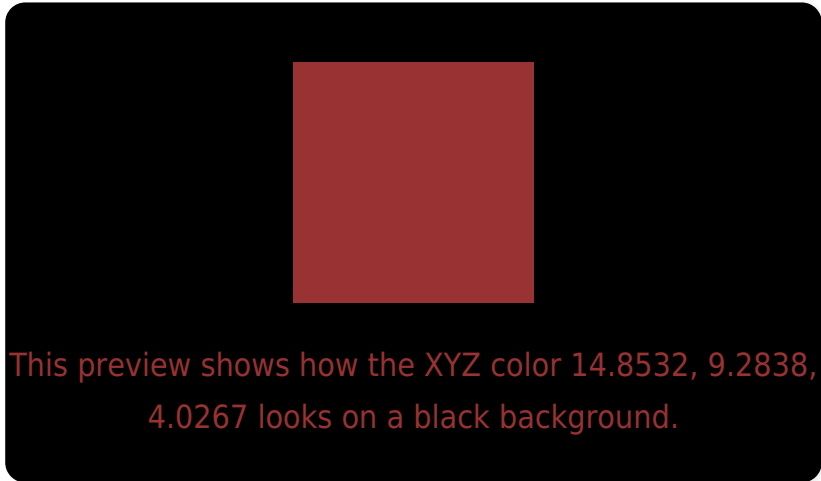
Large Text (above 18pt) WCAG AA ✓ Pass

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

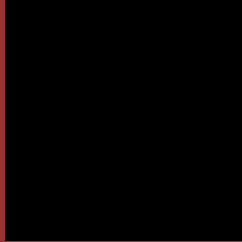
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.8532, 9.2838, 4.0267

Background



This preview shows how black text looks on a background with the XYZ color 14.8532, 9.2838, 4.0267.

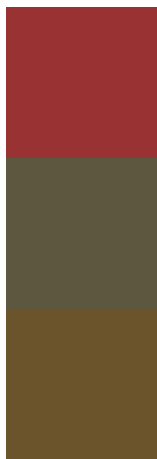


This preview shows how white text looks on a background with the XYZ color 14.8532, 9.2838,

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

14.8532, 9.2838, 4.0267

Protanopia

8.8478, 9.5137, 6.2205

Deuteranopia

9.6113, 9.4942, 3.7089



Tritanopia

14.8973, 9.3014, 4.2590

Trichromacy



Original Color

14.8532, 9.2838, 4.0267

Protanomaly

10.3084, 8.8582, 5.3042

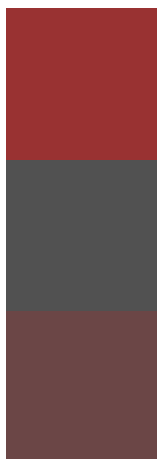
Deuteranomaly

11.0586, 8.9888, 3.7369

Tritanomaly

14.8750, 9.2925, 4.1416

Monochromacy



Original Color

14.8532, 9.2838, 4.0267

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.3591, 7.9483, 6.8353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8532, 9.2838, 4.0267 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(153, 50, 50)` looks like.

```
.text, #text, p{  
    color:rgb(153, 50, 50)  
}
```

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(153, 50, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 50, 50) }
```

Border

The CSS property to change the border of an element to XYZ 14.8532, 9.2838, 4.0267 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(153, 50, 50) }
```


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

```
.border{ border-color:rgb(153, 50, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 50, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 50, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 50, 50);  
box-shadow:4px 4px 4px 4px rgb(153, 50,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8532, 9.2838, 4.0267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 50, 50) }
```

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

```
.background{ background-color: rgb(153, 50,  
50) }
```

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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