

Converting Colors

XYZ(13.8029, 9.9039, 4.9255)

Have a look what the booklet for
XYZ(13.8029, 9.9039, 4.9255)
contains.

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Color

**XYZ(13.8174, 9.9327,
4.9303)**

Conversions

Conversions Part 1

Format	Color
Hex	8E4238
RGB	142, 66, 56
RGB Percent	56%, 26%, 22%
CMY	0.4431, 0.7412, 0.7804
CMYK	0.00, 0.54, 0.61, 0.44
HSL	7°, 43%, 39%
HSV	7°, 61%, 56%
XYZ	13.8174, 9.9327, 4.9303
YIQ	87.5840, 48.5060, 13.0020

Conversions

Conversions Part 2

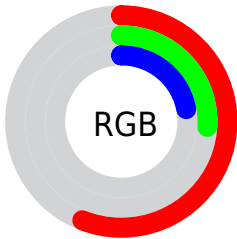
Format	Color
RYB	142, 67, 56
Decimal	9323064
CIELab	37.72, 31.35, 21.34
CIELCh	38, 37.921, 34.242
Yxy	9.9327, 0.4818, 0.3463
Android (android.graphics.Color)	4287513144 (0xFF8E4238)
YUV	87.5840, -15.5709, 47.7228
Hunter-Lab	31.5162, 23.1051, 12.7862

Details

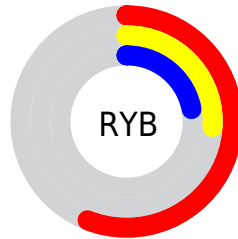
The XYZ color **13.8174, 9.9327, 4.9303** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **14.7642, 19.2954, 28.5375**, and the grayscale version is **9.2109, 9.6906, 10.5530**.

A 20% lighter version of the original color is **32.2468, 25.6122, 16.0760**, and **4.2036, 2.4562, 0.6333** is the 20% darker color. If you saturate the color by 10%, you get **12.8637, 8.5045, 3.1353**, and if you desaturate by 10%, it is **15.0310, 11.7231, 7.2982**.

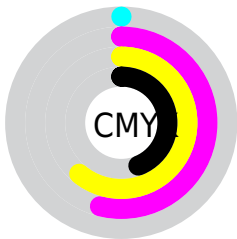
Distribution



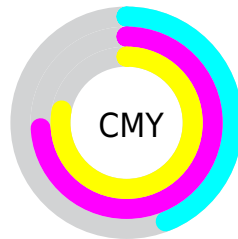
- Red (56%)
- Green (26%)
- Blue (22%)



- Red (56%)
- Yellow (26%)
- Blue (22%)



- Cyan (0%)
- Magenta (54%)
- Yellow (61%)
- Black (44%)




- Cyan (44%)
- Magenta (74%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.8174, 9.9327, 4.9303 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 13.8174, 9.9327, 4.9303 by changing the saturation by 10% instead.


 13.8174, 9.9327,
4.9303


 13.8174, 9.9327,
4.9303


209.6253,
190.1911, 158.0638


 8.0746, 5.3544,
2.1484


 32.3537, 25.6688,
16.1041


 4.1949, 2.4566,
0.6444

 45.8779, 37.5954,
25.3330


 1.8130, 0.8548,
0.0000

 62.7266, 52.7402,
37.5481

 0.5255, 0.0000,
0.0000

 83.2651, 71.4876,
53.1678

 0.0000, 0.0000,
0.0000

 107.8590, 94.2220,
72.6107

 136.8734,

121.3278, 96.2953

170.6737,
153.1893, 124.6402

■ 13.8174, 9.9327,
4.9303

■ 13.8174, 9.9327,
4.9303

■ 12.8637, 8.5045,
3.1353

■ 15.0310, 11.7231,
7.2982

■ 12.1500, 7.4122,
1.8640

■ 16.5210, 13.8966,
10.2815

■ 11.6544, 6.6286,
1.0596

■ 18.3035, 16.4741,
13.9196

■ 11.3484, 6.1369,
0.5864

■ 20.3929, 19.4748,
18.2482

■ 22.8029, 22.9166,
23.3004

■ 25.5463, 26.8163,
29.1073

■ 28.6350, 31.1899,
35.6981

■ 32.0806, 36.0525,
43.1004

■ 35.8940, 41.4186,
51.3407

Harmonies

Analogous

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



14.8627, 9.9327, 9.8619



13.8174, 9.9327, 4.9303



11.6032, 9.9327, 2.7207

Triad

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



13.8174, 9.9327, 4.9303



5.8493, 9.9327, 6.0087



9.7880, 9.9327, 30.2064

Complementary

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



13.8174, 9.9327, 4.9303



14.7642, 19.2954, 28.5375

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.



7.5652, 9.9327, 27.7318



13.8174, 9.9327, 4.9303



5.5296, 9.9327, 11.8277

Square

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



13.8174, 9.9327, 4.9303



7.0640, 9.9327, 3.1313



6.1022, 9.9327, 20.1435



12.2984, 9.9327, 25.9315

Rectangle

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



13.8174, 9.9327, 4.9303



9.9137, 9.9327, 2.2513



6.1022, 9.9327, 20.1435



8.9830, 9.9327, 30.1457

Sweetspot

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



13.8176, 9.9332, 4.9305



36.8422, 35.6031, 34.0180



16.8309, 10.2837, 23.4334



7.9962, 7.6191, 7.1126



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.8176, 9.9332, 4.9305



22.1376, 14.1669, 4.5371



17.1897, 16.6773, 6.0545



5.4563, 5.5189, 5.6670



10.1970, 5.5257, 0.5291



0.1054, 0.0687, 0.0077

Inverse Universe

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



14.7642, 19.2954, 28.5375



23.9087, 32.1201, 50.0675



10.2034, 10.1738, 27.0172



5.5075, 6.0107, 6.8987



11.0318, 15.0495, 25.3005



0.1153, 0.1635, 0.2452

Previews

White Background



This preview shows how the XYZ color 13.8174, 9.9327, 4.9303 looks on a white background.

Color Contrast Check

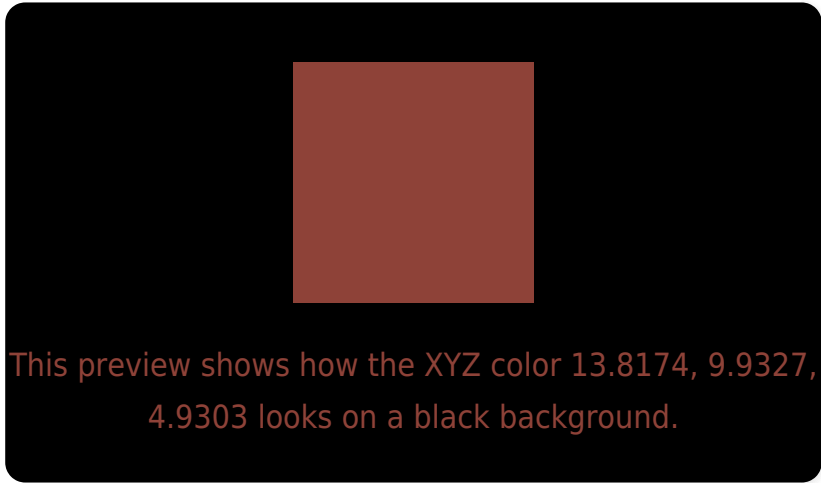
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.8174, 9.9327, 4.9303

Background



This preview shows how black text looks on a background with the XYZ color 13.8174, 9.9327, 4.9303.

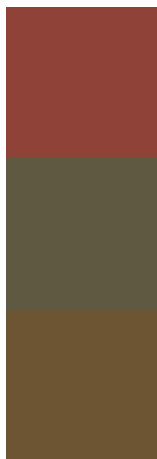


This preview shows how white text looks on a background with the XYZ color 13.8174, 9.9327,

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

13.8174, 9.9327, 4.9303

Protanopia

9.3504, 10.0132, 6.4410

Deuteranopia

10.1750, 9.9961, 4.6420



Tritanopia

14.2353, 9.9361, 6.7978

Trichromacy



Original Color

13.8174, 9.9327, 4.9303

Protanomaly

10.6220, 9.7434, 5.8782

Deuteranomaly

11.2522, 9.7708, 4.6611

Tritanomaly

14.1434, 9.9904, 6.0334

Monochromacy



Original Color

13.8174, 9.9327, 4.9303

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.3575, 9.4473, 8.1151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8174, 9.9327, 4.9303 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(142, 66, 56)` looks like.

```
.text, #text, p{  
    color:rgb(142, 66, 56)  
}
```

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(142, 66, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 66, 56) }
```

Border

The CSS property to change the border of an element to XYZ 13.8174, 9.9327, 4.9303 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(142, 66, 56) }
```


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

```
.border{ border-color:rgb(142, 66, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 66, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 66, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 66, 56);  
box-shadow:4px 4px 4px 4px rgb(142, 66,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8174, 9.9327, 4.9303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 66, 56) }
```

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

```
.background{ background-color: rgb(142, 66,  
56) }
```

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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