

Converting Colors

XYZ(18.3290, 13.4408, 9.0332)

Have a look what the booklet for
XYZ(18.3290, 13.4408, 9.0332)
contains.

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Color

**XYZ(18.3078, 13.4256,
9.0236)**

Conversions

Conversions Part 1

Format	Color
Hex	9E4F4F
RGB	158, 79, 79
RGB Percent	62%, 31%, 31%
CMY	0.3804, 0.6902, 0.6902
CMYK	0.00, 0.50, 0.50, 0.38
HSL	0°, 33%, 46%
HSV	0°, 50%, 62%
XYZ	18.3078, 13.4256, 9.0236
YIQ	102.6210, 47.0840, 16.7480

Conversions

Conversions Part 2

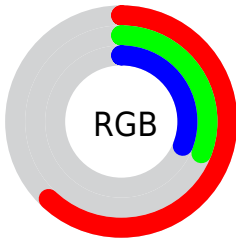
Format	Color
R_{YB}	158, 79, 79
Decimal	10374991
CIE Lab	43.40, 32.73, 15.21
CIE LCh	43, 36.097, 24.925
Yxy	13.4256, 0.4492, 0.3294
Android (android.graphics.Color)	4288565071 (0xFF9E4F4F)
YUV	102.6210, -11.6452, 48.5674
Hunter-Lab	36.6410, 25.0665, 11.0473

Details

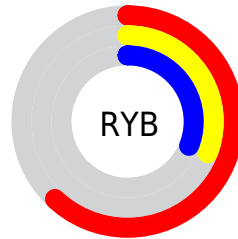
The XYZ color **18.3078, 13.4256, 9.0236** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **21.6220, 28.5829, 36.7250**, and the grayscale version is **12.8136, 13.4809, 14.6807**.

A 20% lighter version of the original color is **40.1978, 32.1227, 24.5037**, and **6.3612, 3.9335, 2.0141** is the 20% darker color. If you saturate the color by 10%, you get **16.7922, 11.2081, 6.0104**, and if you desaturate by 10%, it is **20.2316, 16.2409, 12.8475**.

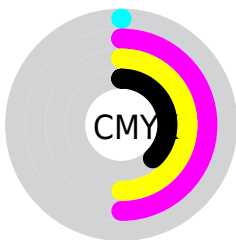
Distribution



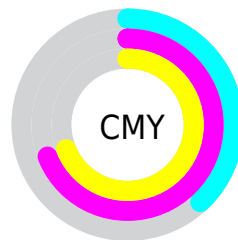
- Red (62%)
- Green (31%)
- Blue (31%)



- Red (62%)
- Yellow (31%)
- Blue (31%)



- Cyan (0%)
- Magenta (50%)
- Yellow (50%)
- Black (38%)



- Cyan (38%)
- Magenta (69%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3078, 13.4256, 9.0236 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 18.3078, 13.4256, 9.0236 by changing the saturation by 10% instead.

■ 18.3078, 13.4256,
9.0236

■ 18.3078, 13.4256,
9.0236

235.6125,
213.6276, 193.7784

■ 11.2722, 7.7223,
4.6596

■ 40.0871, 32.0663,
24.5205

■ 6.3189, 3.9178,
1.9937

■ 55.5615, 45.7725,
36.4904

■ 3.0824, 1.6277,
0.5514

■ 74.5796, 62.9150,
51.8326

■ 1.1975, 0.3761,
0.0000

■ 97.5067, 83.8784,
70.9658

■ 0.1044, 0.0000,
0.0000

■ 124.7082,
109.0469, 94.3084

■ 0.0000, 0.0000,
0.0000

156.5494,

138.8050, 122.2791

193.3957,
173.5371, 155.2962

■ 18.3078, 13.4256,
9.0236

■ 18.3078, 13.4256,
9.0236

■ 16.7922, 11.2081,
6.0104

■ 20.2316, 16.2409,
12.8475

■ 15.6546, 9.5433,
3.7488

■ 22.5890, 19.6905,
17.5339

■ 14.8618, 8.3832,
2.1730


■ 25.4047, 23.8106,
23.1314


■ 14.3750, 7.6708,
1.2054

■ 28.7010, 28.6341,
29.6844


■ 14.1006, 7.2693,
0.6600


■ 32.4990, 34.1916,
37.2347

 14.1006, 7.2693,
0.6599

 36.8183, 40.5119,
45.8215

 41.6777, 47.6225,
55.4819

 47.0949, 55.5493,
66.2512

 53.0867, 64.3170,
78.1630

Harmonies

Analogous

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



18.9272, 13.4256, 16.0287



18.3078, 13.4256, 9.0236



16.1203, 13.4256, 5.2660

Triad

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



18.3078, 13.4256, 9.0236



8.8335, 13.4256, 7.4132



12.2891, 13.4256, 36.0538

Complementary

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



18.3078, 13.4256, 9.0236



21.6220, 28.5829, 36.7250

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.



9.9035, 13.4256, 31.2689



18.3078, 13.4256, 9.0236



8.1041, 13.4256, 13.2930

Square

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



18.3078, 13.4256, 9.0236



10.6185, 13.4256, 4.6036



8.4651, 13.4256, 22.1481



15.1731, 13.4256, 33.5944

Rectangle

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



18.3078, 13.4256, 9.0236



14.2165, 13.4256, 4.1961



8.4651, 13.4256, 22.1481



11.4077, 13.4256, 35.2002

Sweetspot

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



18.3081, 13.4263, 9.0238



48.8413, 47.2002, 47.3866



23.0680, 15.3297, 34.0907



10.7483, 10.2565, 10.1606



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.3081, 13.4263, 9.0238



30.2181, 19.9490, 10.3648



22.0493, 20.9086, 10.2709



6.6331, 6.6462, 6.9189



11.2932, 5.8220, 0.5285



0.2019, 0.1041, 0.0095

Inverse Universe

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



21.6220, 28.5829, 36.7250



36.9436, 50.7092, 66.5842



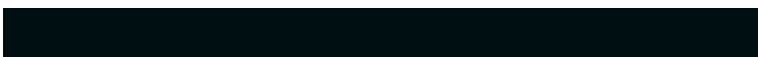
15.9335, 17.2059, 34.8289



6.8218, 7.5094, 8.4966



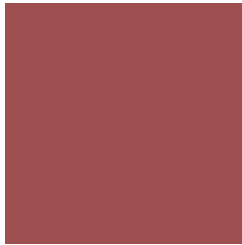
14.7340, 21.5596, 29.2921



0.2635, 0.3855, 0.5238

Previews

White Background



This preview shows how the XYZ color 18.3078, 13.4256, 9.0236 looks on a white background.

Color Contrast Check

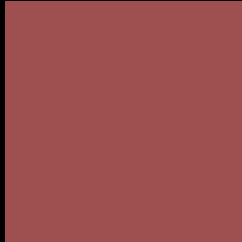
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 18.3078, 13.4256, 9.0236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

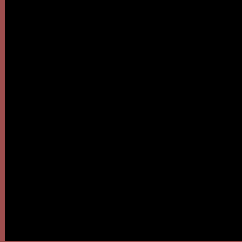
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3078, 13.4256, 9.0236

Background



This preview shows how black text looks on a background with the XYZ color 18.3078, 13.4256, 9.0236.



This preview shows how white text looks on a background with the XYZ color 18.3078, 13.4256,

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

18.3078, 13.4256, 9.0236

Protanopia

12.8801, 13.6268, 11.6242

Deuteranopia

13.7924, 13.5831, 8.7323



Tritanopia

18.4252, 13.3580, 9.9947

Trichromacy



Original Color

18.3078, 13.4256, 9.0236

Protanomaly

14.2866, 13.1129, 10.5822

Deuteranomaly

15.1584, 13.3410, 8.7973

Tritanomaly

18.3479, 13.3271, 9.5880

Monochromacy



Original Color

18.3078, 13.4256, 9.0236

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

14.1915, 13.0245, 12.3557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3078, 13.4256, 9.0236 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(158, 79, 79)` looks like.

```
.text, #text, p{  
    color:rgb(158, 79, 79)  
}
```

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(158, 79, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 79, 79) }
```

Border

The CSS property to change the border of an element to XYZ 18.3078, 13.4256, 9.0236 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(158, 79, 79) }
```


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

```
.border{ border-color:rgb(158, 79, 79) }
```

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

Here you see how a box with a 4 pixel rgb(158, 79, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 79, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 79, 79);  
box-shadow:4px 4px 4px 4px rgb(158, 79,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3078, 13.4256, 9.0236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 79, 79) }
```

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

```
.background{ background-color: rgb(158, 79,  
79) }
```

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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