

Converting Colors

XYZ(19.9243, 14.1578, 8.9034)

Have a look what the booklet for
XYZ(19.9243, 14.1578, 8.9034)
contains.

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Color

**XYZ(19.8254, 14.1058,
8.8855)**

Conversions

Conversions Part 1

Format	Color
Hex	A64E4E
RGB	166, 78, 78
RGB Percent	65%, 31%, 31%
CMY	0.3490, 0.6941, 0.6941
CMYK	0.00, 0.53, 0.53, 0.35
HSL	0°, 36%, 48%
HSV	0°, 53%, 65%
XYZ	19.8254, 14.1058, 8.8855
YIQ	104.3120, 52.4480, 18.6560

Conversions

Conversions Part 2

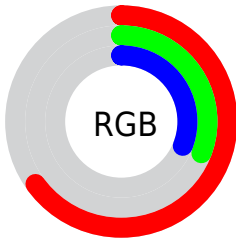
Format	Color
RYB	166, 78, 78
Decimal	10899022
CIELab	44.38, 36.25, 17.36
CIELCh	44, 40.193, 25.590
Yxy	14.1058, 0.4630, 0.3294
Android (android.graphics.Color)	4289089102 (0xFFA64E4E)
YUV	104.3120, -12.9718, 54.1004
Hunter-Lab	37.5577, 28.4980, 12.2634

Details

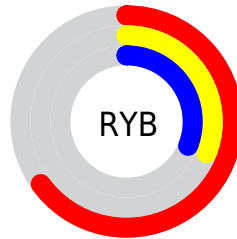
The XYZ color **19.8254, 14.1058, 8.8855** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **23.6602, 31.6435, 40.9370**, and the grayscale version is **13.2660, 13.9569, 15.1991**.

A 20% lighter version of the original color is **42.4215, 33.0801, 24.2279**, and **7.1344, 4.2610, 1.9598** is the 20% darker color. If you saturate the color by 10%, you get **18.2695, 11.8292, 5.7920**, and if you desaturate by 10%, it is **21.8299, 17.0392, 12.8699**.

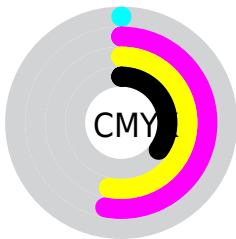
Distribution



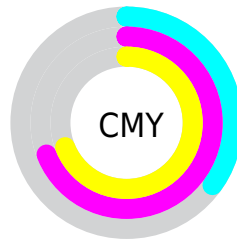
- Red (65%)
- Green (31%)
- Blue (31%)



- Red (65%)
- Yellow (31%)
- Blue (31%)



- Cyan (0%)
- Magenta (53%)
- Yellow (53%)
- Black (35%)



- Cyan (35%)
- Magenta (69%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8254, 14.1058, 8.8855 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 19.8254, 14.1058, 8.8855 by changing the saturation by 10% instead.

■ 19.8254, 14.1058,
8.8855

■ 19.8254, 14.1058,
8.8855

243.8199,
217.8880, 192.7079

■ 12.3757, 8.1943,
4.5708

■ 42.6304, 33.2766,
24.2512

■ 7.0741, 4.2195,
1.9434

■ 58.7165, 47.3047,
36.1392

■ 3.5552, 1.7971,
0.5201

■ 78.4121, 64.8072,
51.3887

■ 1.4537, 0.4854,
0.0000

■ 102.0825, 86.1683,
70.4183

■ 0.2940, 0.0000,
0.0000

■ 130.0932,
111.7726, 93.6465

■ 0.0000, 0.0000,
0.0000

162.8094,

142.0044, 121.4918

200.5965,
177.2481, 154.3727

■ 19.8254, 14.1058,
8.8855

■ 19.8254, 14.1058,
8.8855

■ 18.2695, 11.8292,
5.7920

■ 21.8299, 17.0392,
12.8699

■ 17.1267, 10.1570,
3.5204

■ 24.3128, 20.6724,
17.8056

■ 16.3580, 9.0322,
1.9925

■ 27.3024, 25.0471,
23.7489

■ 15.9165, 8.3861,
1.1149

■ 30.8247, 30.2013,
30.7511

■ 15.7259, 8.1071,
0.7360

■ 34.9039, 36.1702,
38.8603

■ 39.5625, 42.9871,
48.1216

■ 44.8221, 50.6832,
58.5775

■ 50.7028, 59.2884,
70.2684

■ 57.2241, 68.8308,
83.2327

Harmonies

Analogous

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



20.6023, 14.1058, 16.7675



19.8254, 14.1058, 8.8855



17.2323, 14.1058, 4.8612

Triad

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



19.8254, 14.1058, 8.8855



8.9080, 14.1058, 7.3402



12.9352, 14.1058, 40.7969

Complementary

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



19.8254, 14.1058, 8.8855



23.6602, 31.6435, 40.9370

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.



10.1946, 14.1058, 35.2049



19.8254, 14.1058, 8.8855



8.1189, 14.1058, 14.0313

Square

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



19.8254, 14.1058, 8.8855



10.8993, 14.1058, 4.2533



8.5493, 14.1058, 24.3945



16.2728, 14.1058, 37.6365

Rectangle

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



19.8254, 14.1058, 8.8855



15.0130, 14.1058, 3.7693



8.5493, 14.1058, 24.3945



11.9201, 14.1058, 39.8323

Sweetspot

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



19.8258, 14.1065, 8.8858



53.7344, 51.5790, 51.4175



25.3332, 16.3090, 37.8890



11.7396, 11.1252, 10.9395



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.8258, 14.1065, 8.8858



32.6443, 20.7180, 9.4918



24.0605, 22.5761, 10.2973



7.5312, 7.5424, 7.8482



12.1947, 6.2867, 0.5707



0.2967, 0.1530, 0.0139

Inverse Universe

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



23.6602, 31.6435, 40.9370



40.3828, 56.1109, 74.1774



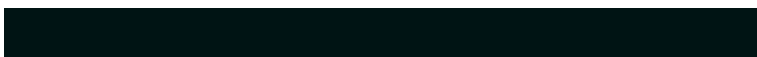
16.9844, 18.2920, 38.7118



7.7475, 8.5320, 9.6568



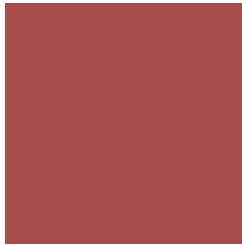
15.9104, 23.2810, 31.6306



0.3871, 0.5664, 0.7696

Previews

White Background



This preview shows how the XYZ color 19.8254, 14.1058, 8.8855 looks on a white background.

Color Contrast Check

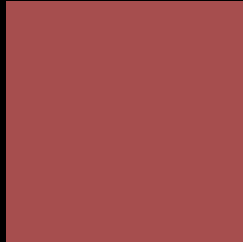
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8254, 14.1058, 8.8855 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 19.8254, 14.1058, 8.8855

Background



This preview shows how black text looks on a background with the XYZ color 19.8254, 14.1058, 8.8855.



This preview shows how white text looks on a background with the XYZ color 19.8254, 14.1058,

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

19.8254, 14.1058, 8.8855

Protanopia

13.4954, 14.2380, 11.9344

Deuteranopia

14.4939, 14.2374, 8.4627



Tritanopia

19.9411, 14.0393, 9.8425

Trichromacy



Original Color

19.8254, 14.1058, 8.8855

Protanomaly

15.1320, 13.6816, 10.6474

Deuteranomaly

16.1689, 13.9994, 8.5066

Tritanomaly

19.8650, 14.0088, 9.4416

Monochromacy



Original Color

19.8254, 14.1058, 8.8855

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.9102, 13.5227, 12.6508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8254, 14.1058, 8.8855 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(166, 78, 78)` looks like.

```
.text, #text, p{  
    color:rgb(166, 78, 78)  
}
```

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(166, 78, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 78, 78) }
```

Border

The CSS property to change the border of an element to XYZ 19.8254, 14.1058, 8.8855 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(166, 78, 78) }
```


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

```
.border{ border-color:rgb(166, 78, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 78, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 78, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 78, 78);  
box-shadow:4px 4px 4px 4px rgb(166, 78,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8254, 14.1058, 8.8855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 78, 78) }
```

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

```
.background{ background-color: rgb(166, 78,  
78) }
```

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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