

Converting Colors

XYZ(19.4509, 12.8978, 7.8107)

Have a look what the booklet for
XYZ(19.4509, 12.8978, 7.8107)
contains.

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Color

**XYZ(19.3582, 12.8202,
7.7576)**

Conversions

Conversions Part 1

Format	Color
Hex	A84349
RGB	168, 67, 73
RGB Percent	66%, 26%, 29%
CMY	0.3412, 0.7372, 0.7137
CMYK	0.00, 0.60, 0.57, 0.34
HSL	356°, 43%, 46%
HSV	356°, 60%, 66%
XYZ	19.3582, 12.8202, 7.7576
YIQ	97.8830, 58.2700, 23.2780

Conversions

Conversions Part 2

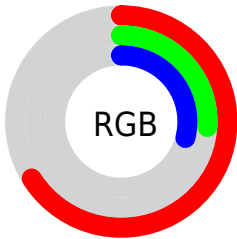
Format	Color
R _Y B	168, 67, 73
Decimal	11027273
CIE Lab	42.49, 42.06, 17.93
CIE LCh	42, 45.726, 23.092
Yxy	12.8202, 0.4847, 0.3210
Android (android.graphics.Color)	4289217353 (0xFFA84349)
YUV	97.8830, -12.2673, 61.4926
Hunter-Lab	35.8053, 33.8470, 12.2179

Details

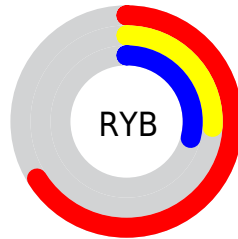
The XYZ color **19.3582, 12.8202, 7.7576** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **22.8398, 31.8075, 39.1206**, and the grayscale version is **11.6003, 12.2044, 13.2906**.

A 20% lighter version of the original color is **41.7266, 30.9050, 21.8552**, and **6.8984, 3.6903, 1.5770** is the 20% darker color. If you saturate the color by 10%, you get **18.0413, 10.9211, 5.0539**, and if you desaturate by 10%, it is **21.0986, 15.3534, 11.2595**.

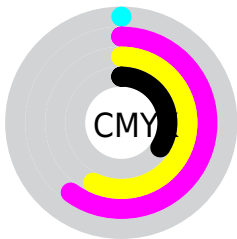
Distribution



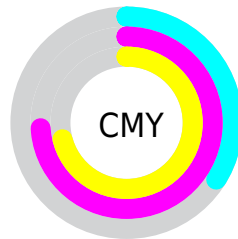
- Red (66%)
- Green (26%)
- Blue (29%)



- Red (66%)
- Yellow (26%)
- Blue (29%)



- Cyan (0%)
- Magenta (60%)
- Yellow (57%)
- Black (34%)





- Cyan (34%)
- Magenta (74%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3582, 12.8202, 7.7576 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 19.3582, 12.8202, 7.7576 by changing the saturation by 10% instead.


 19.3582, 12.8202,
7.7576


 19.3582, 12.8202,
7.7576


241.3195,
209.7621, 183.6812


 12.0349, 7.3049,
3.8547


 41.8507, 30.9804,
22.0201


 6.8398, 3.6535,
1.5460


 57.7507, 44.3940,
33.2168

 3.4076, 1.4817,
0.2518

 77.2402, 61.2092,
47.6819

 1.3728, 0.2758,
0.0000

 100.6847, 81.8103,
65.8338

 0.2367, 0.0000,
0.0000

 128.4496,
106.5818, 88.0912

 0.0000, 0.0000,
0.0000

160.9001,

135.9080, 114.8725

198.4016,
170.1733, 146.5963

■ 19.3582, 12.8202,
7.7576

■ 19.3582, 12.8202,
7.7576

■ 18.0413, 10.9211,
5.0539

■ 21.0986, 15.3534,
11.2595

■ 17.1107, 9.5981,
3.0849

■ 23.2935, 18.5677,
15.6150

■ 16.5247, 8.7864,
1.7785

■ 25.9721, 22.5083,
20.8754

■ 16.2030, 8.3466,
1.0434

■ 29.1610, 27.2157,
27.0878

■ 32.8847, 32.7275,
34.2959

■ 37.1661, 39.0789,
42.5409

■ 42.0270, 46.3029,
51.8614

■ 47.4878, 54.4309,
62.2942

■ 53.5680, 63.4924,
73.8743

Harmonies

Analogous

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



20.0234, 12.8202, 16.3696



19.3582, 12.8202, 7.7576



16.6162, 12.8202, 3.6155

Triad

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



19.3582, 12.8202, 7.7576



7.6154, 12.8202, 5.3792



11.4051, 12.8202, 42.5676

Complementary

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



19.3582, 12.8202, 7.7576



22.8398, 31.8075, 39.1206

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.



8.6216, 12.8202, 35.3119



19.3582, 12.8202, 7.7576



6.7172, 12.8202, 11.7975

Square

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



19.3582, 12.8202, 7.7576



9.7654, 12.8202, 2.7647



7.0473, 12.8202, 22.8093



14.9750, 12.8202, 39.7239

Rectangle

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



19.3582, 12.8202, 7.7576



14.2170, 12.8202, 2.5334



7.0473, 12.8202, 22.8093



10.3569, 12.8202, 41.1475

Sweetspot

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



19.3585, 12.8209, 7.7578



54.0509, 51.0633, 51.3550



23.8271, 14.4470, 38.5783



11.3957, 10.5603, 10.4457



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.



19.3585, 12.8209, 7.7578



32.1243, 18.9395, 7.8861



22.8211, 20.0489, 7.9782



7.5485, 7.5493, 7.9396



12.2428, 6.3058, 0.8240



0.3033, 0.1556, 0.0488

Inverse Universe

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



19.3585, 12.8209, 7.7578



32.1243, 18.9395, 7.8861



16.6203, 18.4952, 39.7395



7.5485, 7.5493, 7.9396



12.2428, 6.3058, 0.8240



0.3033, 0.1556, 0.0488

Previews

White Background



This preview shows how the XYZ color 19.3582, 12.8202, 7.7576 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 19.3582, 12.8202, 7.7576 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 19.3582, 12.8202, 7.7576

Background



This preview shows how black text looks on a background with the XYZ color 19.3582, 12.8202, 7.7576.

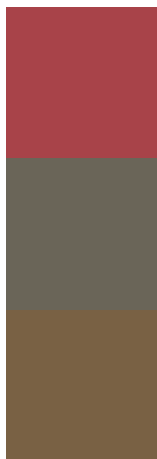


This preview shows how white text looks on a background with the XYZ color 19.3582, 12.8202,

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

19.3582, 12.8202, 7.7576

Protanopia

12.3590, 13.0761, 11.1051

Deuteranopia

13.2032, 13.0317, 7.2883



Tritanopia

19.3253, 12.8070, 7.5843

Trichromacy



Original Color

19.3582, 12.8202, 7.7576

Protanomaly

14.1870, 12.4364, 9.8363

Deuteranomaly

14.9145, 12.5010, 7.4212

Tritanomaly

19.3253, 12.8070, 7.5843

Monochromacy



Original Color

19.3582, 12.8202, 7.7576

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.3797, 11.7486, 11.0137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3582, 12.8202, 7.7576 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(168, 67, 73)` looks like.

```
.text, #text, p{  
    color:rgb(168, 67, 73)  
}
```

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(168, 67, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 67, 73) }
```

Border

The CSS property to change the border of an element to XYZ 19.3582, 12.8202, 7.7576 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(168, 67, 73) }
```


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

```
.border{ border-color:rgb(168, 67, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 67, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 67, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 67, 73);  
box-shadow:4px 4px 4px 4px rgb(168, 67,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3582, 12.8202, 7.7576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 67, 73) }
```

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

```
.background{ background-color: rgb(168, 67,  
73) }
```

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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