

Converting Colors

XYZ(18.9740, 12.9719, 3.9192)

Have a look what the booklet for
XYZ(18.9740, 12.9719, 3.9192)
contains.

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Color

**XYZ(19.0070, 12.9972,
3.8898)**

Conversions

Conversions Part 1

Format	Color
Hex	A9462C
RGB	169, 70, 44
RGB Percent	66%, 27%, 17%
CMY	0.3373, 0.7255, 0.8274
CMYK	0.00, 0.59, 0.74, 0.34
HSL	12°, 59%, 42%
HSV	12°, 74%, 66%
XYZ	19.0070, 12.9972, 3.8898
YIQ	96.6370, 67.3500, 12.9020

Conversions

Conversions Part 2

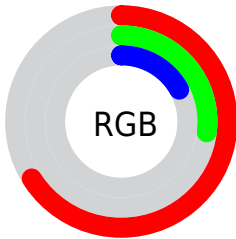
Format	Color
RYB	169, 77, 44
Decimal	11093548
CIELab	42.76, 39.12, 35.44
CIElCh	43, 52.784, 42.175
Yxy	12.9972, 0.5295, 0.3621
Android (android.graphics.Color)	4289283628 (0xFFA9462C)
YUV	96.6370, -25.9500, 63.4624
Hunter-Lab	36.0516, 31.0177, 18.8390

Details

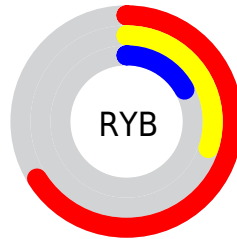
The XYZ color **19.0070, 12.9972, 3.8898** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **18.0218, 23.0433, 41.0339**, and the grayscale version is **11.3238, 11.9135, 12.9738**.

A 20% lighter version of the original color is **41.4810, 31.4974, 13.7908**, and **6.6309, 3.7159, 0.3678** is the 20% darker color. If you saturate the color by 10%, you get **18.0056, 11.4036, 2.2952**, and if you desaturate by 10%, it is **20.3249, 15.0172, 6.2283**.

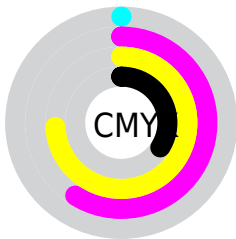
Distribution



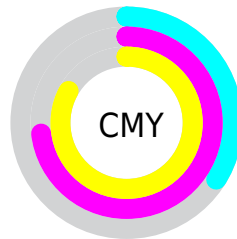
- Red (66%)
- Green (27%)
- Blue (17%)



- Red (66%)
- Yellow (30%)
- Blue (17%)



- Cyan (0%)
- Magenta (59%)
- Yellow (74%)
- Black (34%)



- Cyan (34%)
- Magenta (73%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0070, 12.9972, 3.8898 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 19.0070, 12.9972, 3.8898 by changing the saturation by 10% instead.

■ 19.0070, 12.9972,
3.8898

■ 19.0070, 12.9972,
3.8898

239.4248,
210.8997, 146.9925

■ 11.7794, 7.4266,
1.5651

■ 41.2627, 31.2988,
13.7548

■ 6.6648, 3.7303,
0.2657

■ 57.0215, 44.7985,
22.1322

■ 3.2978, 1.5239,
0.0000

■ 76.3547, 61.7101,
33.3642

■ 1.3131, 0.3054,
0.0000

■ 99.6277, 82.4180,
47.8693

■ 0.1930, 0.0000,
0.0000

■ 127.2059,
107.3065, 66.0662

■ 0.0000, 0.0000,
0.0000

■ 159.4545,

136.7600, 88.3733

196.7391,
171.1629, 115.2093

■ 19.0070, 12.9972,
3.8898

■ 19.0070, 12.9972,
3.8898

■ 18.0056, 11.4036,
2.2952

■ 20.3249, 15.0172,
6.2283

■ 17.2906, 10.2025,
1.3509

■ 21.9840, 17.4899,
9.3876

■ 16.9678, 9.6464,
0.9676

■ 24.0071, 20.4418,
13.4357

■ 26.4150, 23.8968,
18.4333

■ 29.2266, 27.8771,
24.4357

■ 32.4598, 32.4036,
31.4940

■ 36.1313, 37.4960,
39.6558

■ 40.2567, 43.1730,
48.9657

■ 44.8511, 49.4526,
59.4660

Harmonies

Analogous

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



21.5459, 12.9972, 9.9805



19.0070, 12.9972, 3.8898



14.8718, 12.9972, 1.8117

Triad

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



19.0070, 12.9972, 3.8898



6.3629, 12.9972, 8.4031



14.0550, 12.9972, 48.6560

Complementary

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



19.0070, 12.9972, 3.8898



18.0218, 23.0433, 41.0339

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.



10.1368, 12.9972, 47.3818



19.0070, 12.9972, 3.8898



6.2371, 12.9972, 19.3483

Square

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



19.0070, 12.9972, 3.8898



7.8595, 12.9972, 3.2738



7.4680, 12.9972, 34.8040



18.2986, 12.9972, 37.6892

Rectangle

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



19.0070, 12.9972, 3.8898



12.0626, 12.9972, 1.5588



7.4680, 12.9972, 34.8040



12.6489, 12.9972, 49.7613

Sweetspot

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



19.0073, 12.9979, 3.8900



53.2020, 51.1339, 45.6208



22.2969, 12.2500, 27.5748



11.2915, 10.7169, 9.2858



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.



19.0073, 12.9979, 3.8900



31.3447, 18.9226, 2.8713



25.0004, 24.9841, 5.8877



7.6529, 7.7859, 7.8887



12.6787, 7.2546, 0.7320



0.3428, 0.2451, 0.0292

Inverse Universe

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



18.0218, 23.0433, 41.0339



29.2643, 37.4439, 72.9101



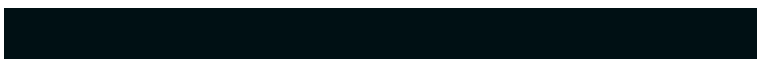
11.1799, 9.3596, 38.7533



7.6131, 8.2631, 9.6120



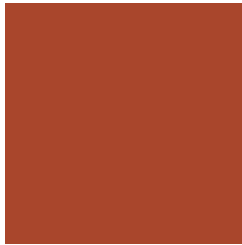
11.7139, 14.8879, 30.2318



0.3175, 0.4272, 0.7464

Previews

White Background



This preview shows how the XYZ color 19.0070, 12.9972, 3.8898 looks on a white background.

Color Contrast Check

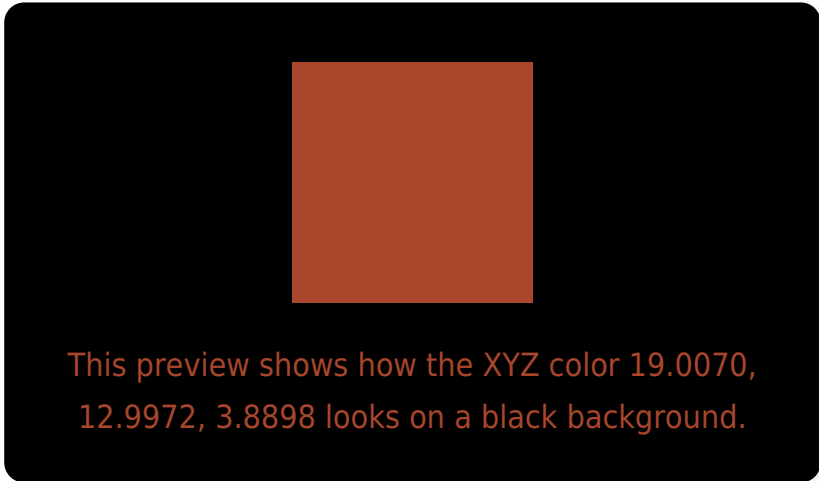
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 19.0070, 12.9972, 3.8898

Background



This preview shows how black text looks on a background with the XYZ color 19.0070, 12.9972, 3.8898.



This preview shows how white text looks on a background with the XYZ color 19.0070, 12.9972,

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

19.0070, 12.9972, 3.8898

Protanopia

12.0993, 13.2138, 5.4028

Deuteranopia

13.3769, 13.2014, 3.6768



Tritanopia

19.7220, 13.0153, 7.4340

Trichromacy



Original Color

19.0070, 12.9972, 3.8898

Protanomaly

13.9048, 12.5292, 4.7031

Deuteranomaly

14.9465, 12.7204, 3.6750

Tritanomaly

19.4870, 13.0172, 5.9004

Monochromacy



Original Color

19.0070, 12.9972, 3.8898

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.9517, 11.5774, 8.7598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0070, 12.9972, 3.8898 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(169, 70, 44)` looks like.

```
.text, #text, p{  
    color:rgb(169, 70, 44)  
}
```

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(169, 70, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 70, 44) }
```

Border

The CSS property to change the border of an element to XYZ 19.0070, 12.9972, 3.8898 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(169, 70, 44) }
```


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

```
.border{ border-color:rgb(169, 70, 44) }
```

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

Here you see how a box with a 4 pixel rgb(169, 70, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 70, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 70, 44);  
box-shadow:4px 4px 4px 4px rgb(169, 70,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0070, 12.9972, 3.8898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 70, 44) }
```

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

```
.background{ background-color: rgb(169, 70,  
44) }
```

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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