

Converting Colors

XYZ(16.8469, 11.9728, 4.0078)

Have a look what the booklet for
XYZ(16.8469, 11.9728, 4.0078)
contains.

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Color

**XYZ(16.8469, 11.9728,
4.0078)**

Conversions

Conversions Part 1

Format	Color
Hex	9E472E
RGB	158, 71, 46
RGB Percent	62%, 28%, 18%
CMY	0.3804, 0.7215, 0.8196
CMYK	0.00, 0.55, 0.71, 0.38
HSL	13°, 55%, 40%
HSV	13°, 71%, 62%
XYZ	16.8469, 11.9728, 4.0078
YIQ	94.1630, 59.8770, 10.6690

Conversions

Conversions Part 2

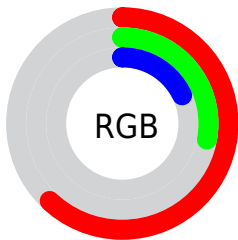
Format	Color
R_{YB}	158, 78, 46
Decimal	10372910
CIE Lab	41.17, 34.43, 32.04
CIE LCh	41, 47.035, 42.945
Yxy	11.9728, 0.5132, 0.3647
Android (android.graphics.Color)	4288562990 (0xFF9E472E)
YUV	94.1630, -23.7444, 55.9850
Hunter-Lab	34.6017, 26.3551, 17.3539

Details

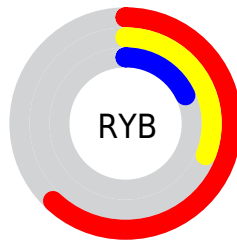
The XYZ color **16.8469, 11.9728, 4.0078** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.6851, 19.8231, 35.3471**, and the grayscale version is **10.7228, 11.2812, 12.2853**.

A 20% lighter version of the original color is **37.5506, 29.4611, 14.0634**, and **5.6350, 3.3030, 0.3406** is the 20% darker color. If you saturate the color by 10%, you get **15.8876, 10.4643, 2.4242**, and if you desaturate by 10%, it is **18.0790, 13.8438, 6.2480**.

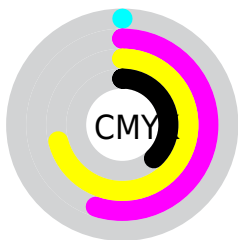
Distribution



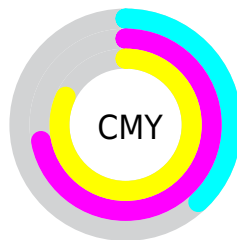
- Red (62%)
- Green (28%)
- Blue (18%)



- Red (62%)
- Yellow (31%)
- Blue (18%)



- Cyan (0%)
- Magenta (55%)
- Yellow (71%)
- Black (38%)





- Cyan (38%)
- Magenta (72%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.8469, 11.9728, 4.0078 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 16.8469, 11.9728, 4.0078 by changing the saturation by 10% instead.


 16.8469, 11.9728,
4.0078


 16.8469, 11.9728,
4.0078


227.4620,
204.2251, 148.3120


 10.2200, 6.7252,
1.6296


 37.6081, 29.4456,
14.0277


 5.6085, 3.2908,
0.3118

 52.4730, 42.4395,
22.5066

 2.6469, 1.2854,
0.0000

 70.8148, 58.7842,
33.8561

 0.9699, 0.1298,
0.0000

 92.9986, 78.8643,
48.4948

 0.0000, 0.0000,
0.0000

 119.3899,
103.0640, 66.8411

 150.3540,

131.7678, 89.3138

186.2563,
165.3600, 116.3312

■ 16.8469, 11.9728,
4.0078

■ 16.8469, 11.9728,
4.0078

■ 15.8876, 10.4643,
2.4242

■ 18.0790, 13.8438,
6.2480

■ 15.1775, 9.2920,
1.4235

■ 19.6033, 16.0973,
9.2068

■ 14.7096, 8.4873,
0.8629

■ 21.4379, 18.7542,
12.9392

■ 23.5995, 21.8334,
17.4951

■ 26.1034, 25.3522,
22.9198

■ 28.9638, 29.3272,
29.2557

■ 32.1944, 33.7741,
36.5419

■ 35.8078, 38.7079,
44.8157

■ 39.8162, 44.1427,
54.1120

Harmonies

Analogous

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



18.9846, 11.9728, 9.2869



16.8469, 11.9728, 4.0078



13.3998, 11.9728, 2.0967

Triad

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



16.8469, 11.9728, 4.0078



6.2180, 11.9728, 8.2934



12.9027, 11.9728, 40.9915

Complementary

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



16.8469, 11.9728, 4.0078



15.6851, 19.8231, 35.3471

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.



9.5737, 11.9728, 40.2525



16.8469, 11.9728, 4.0078



6.1375, 11.9728, 17.6795

Square

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



16.8469, 11.9728, 4.0078



7.4928, 11.9728, 3.5920



7.2454, 11.9728, 30.3309



16.4213, 11.9728, 32.0231

Rectangle

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



16.8469, 11.9728, 4.0078



11.0483, 11.9728, 1.8700



7.2454, 11.9728, 30.3309



11.7178, 11.9728, 41.9641

Sweetspot

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



16.8472, 11.9735, 4.0080



47.1495, 45.6841, 41.0652



19.3619, 10.9369, 23.5473



10.3526, 9.9113, 8.6529



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.



16.8472, 11.9735, 4.0080



28.0551, 17.7023, 3.2333



22.0886, 22.4563, 5.7551



6.7472, 6.8745, 6.9569



11.8064, 6.8484, 0.6996



0.2390, 0.1782, 0.0218

Inverse Universe

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



15.6851, 19.8231, 35.3471



25.6556, 32.5411, 63.6723



10.0038, 8.4605, 33.4533



6.6962, 7.2581, 8.4547



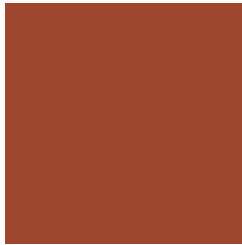
10.6184, 13.3283, 27.9202



0.2185, 0.2955, 0.5088

Previews

White Background



This preview shows how the XYZ color 16.8469, 11.9728, 4.0078 looks on a white background.

Color Contrast Check

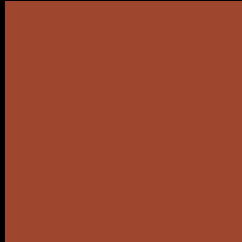
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8469, 11.9728, 4.0078 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 16.8469, 11.9728, 4.0078

Background



This preview shows how black text looks on a background with the XYZ color 16.8469, 11.9728, 4.0078.



This preview shows how white text looks on a background with the XYZ color 16.8469, 11.9728,

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

16.8469, 11.9728, 4.0078

Protanopia

11.1207, 12.1370, 5.3710

Deuteranopia

12.1997, 12.0537, 3.7814



Tritanopia

17.5349, 11.9731, 7.5177

Trichromacy



Original Color

16.8469, 11.9728, 4.0078

Protanomaly

12.7137, 11.6630, 4.8299

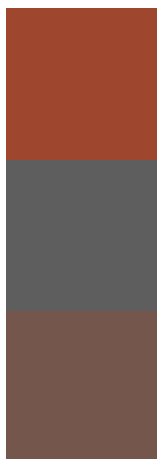
Deuteranomaly

13.5161, 11.7397, 3.8391

Tritanomaly

17.3234, 11.9861, 6.1031

Monochromacy



Original Color

16.8469, 11.9728, 4.0078

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.0035, 10.9733, 8.5066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8469, 11.9728, 4.0078 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, 71, 46)` looks like.

```
.text, #text, p{  
    color:rgb(158, 71, 46)  
}
```

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, 71, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 71, 46) }
```

Border

The CSS property to change the border of an element to XYZ 16.8469, 11.9728, 4.0078 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, 71, 46) }
```


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

```
.border{ border-color:rgb(158, 71, 46) }
```

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

Here you see how a box with a 4 pixel rgb(158, 71, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 71, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 71, 46);  
box-shadow:4px 4px 4px 4px rgb(158, 71,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8469, 11.9728, 4.0078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 71, 46) }
```

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

```
.background{ background-color: rgb(158, 71,  
46) }
```

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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