

Converting Colors

XYZ(16.8872, 11.5501, 7.4702)

Have a look what the booklet for
XYZ(16.8872, 11.5501, 7.4702)
contains.

XYZ(16.8872, 11.5501, 7.4702)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.8872, 11.5501,
7.4702)**

Conversions

Conversions Part 1

Format	Color
Hex	9C4348
RGB	156, 67, 72
RGB Percent	61%, 26%, 28%
CMY	0.3882, 0.7372, 0.7176
CMYK	0.00, 0.57, 0.54, 0.39
HSL	357°, 40%, 44%
HSV	357°, 57%, 61%
XYZ	16.8872, 11.5501, 7.4702
YIQ	94.1810, 51.4390, 20.4230

Conversions

Conversions Part 2

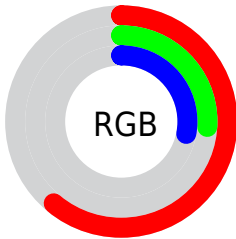
Format	Color
R_{YB}	156, 67, 72
Decimal	10240840
CIE Lab	40.49, 37.59, 15.52
CIE LCh	40, 40.668, 22.441
Yxy	11.5501, 0.4703, 0.3217
Android (android.graphics.Color)	4288430920 (0xFF9C4348)
YUV	94.1810, -10.9352, 54.2153
Hunter-Lab	33.9854, 29.2213, 10.7575

Details

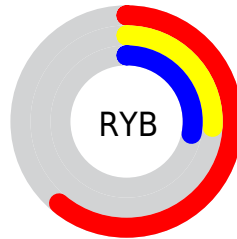
The XYZ color **16.8872, 11.5501, 7.4702** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **19.7899, 27.2050, 33.4882**, and the grayscale version is **10.6991, 11.2563, 12.2581**.

A 20% lighter version of the original color is **37.6002, 28.6091, 21.3097**, and **5.6343, 3.1121, 1.4661** is the 20% darker color. If you saturate the color by 10%, you get **15.6573, 9.7693, 4.9675**, and if you desaturate by 10%, it is **18.4825, 13.8778, 10.6625**.

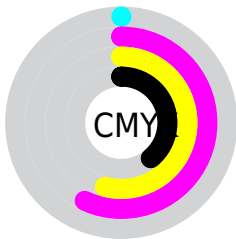
Distribution



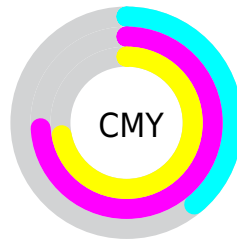
- Red (61%)
- Green (26%)
- Blue (28%)



- Red (61%)
- Yellow (26%)
- Blue (28%)



- Cyan (0%)
- Magenta (57%)
- Yellow (54%)
- Black (39%)





- Cyan (39%)
- Magenta (74%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.8872, 11.5501, 7.4702 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 16.8872, 11.5501, 7.4702 by changing the saturation by 10% instead.

 16.8872, 11.5501,
7.4702


 16.8872, 11.5501,
7.4702

227.6904,
201.4036, 181.2920


 10.2489, 6.4381,
3.6750


 37.6769, 28.6730,
21.4418


 5.6278, 3.1133,
1.4488

 52.5590, 41.4527,
32.4553

 2.6586, 1.1912,
0.1793

 70.9197, 57.5572,
46.7120

 0.9759, 0.0545,
0.0000

 93.1244, 77.3707,
64.6304

 0.0000, 0.0000,
0.0000

 119.5385,
101.2777, 86.6291

150.5273,

129.6626, 113.1265

186.4562,
162.9098, 144.5413

■ 16.8872, 11.5501,
7.4702

■ 16.8872, 11.5501,
7.4702

■ 15.6573, 9.7693,
4.9675

■ 18.4825, 13.8778,
10.6625

■ 14.7632, 8.4891,
3.1031

■ 20.4683, 16.7901,
14.5896

■ 14.1717, 7.6585,
1.8191

■ 22.8682, 20.3236,
19.2935

■ 13.8336, 7.1972,
1.0443

■ 25.7039, 24.5113,
24.8129

■ 13.7583, 7.0871,
0.8943

■ 28.9955, 29.3839,
31.1837

■ 32.7618, 34.9701,
38.4401

■ 37.0207, 41.2970,
46.6139

■ 41.7891, 48.3904,
55.7358

■ 47.0830, 56.2748,
65.8347

Harmonies

Analogous

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



17.3833, 11.5501, 14.7643



16.8872, 11.5501, 7.4702



14.6840, 11.5501, 3.7656

Triad

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



16.8872, 11.5501, 7.4702



7.1694, 11.5501, 5.2101



10.2702, 11.5501, 35.5478

Complementary

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



16.8872, 11.5501, 7.4702



19.7899, 27.2050, 33.4882

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.



7.9548, 11.5501, 29.6534



16.8872, 11.5501, 7.4702



6.3783, 11.5501, 10.6156

Square

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



16.8872, 11.5501, 7.4702



9.0093, 11.5501, 2.9122



6.6385, 11.5501, 19.5989



13.2145, 11.5501, 33.4782

Rectangle

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



16.8872, 11.5501, 7.4702



12.7225, 11.5501, 2.7425



6.6385, 11.5501, 19.5989



9.4008, 11.5501, 34.3674

Sweetspot

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



16.8875, 11.5507, 7.4704



46.5255, 44.2830, 44.7568



20.5982, 12.9056, 32.8579



10.0182, 9.4198, 9.4223



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.8875, 11.5507, 7.4704



28.0131, 17.1321, 8.1453



19.8334, 17.6928, 7.6807



6.6474, 6.6519, 6.9944



11.3370, 5.8394, 0.7598



0.2066, 0.1060, 0.0342

Inverse Universe

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



16.8875, 11.5507, 7.4704



28.0131, 17.1321, 8.1453



14.7280, 16.4181, 33.8453



6.6474, 6.6519, 6.9944



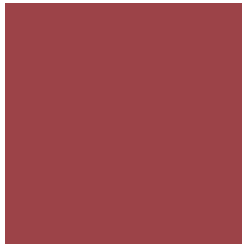
11.3370, 5.8394, 0.7598



0.2066, 0.1060, 0.0342

Previews

White Background



This preview shows how the XYZ color 16.8872, 11.5501, 7.4702 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 16.8872, 11.5501, 7.4702 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 16.8872, 11.5501, 7.4702

Background



This preview shows how black text looks on a background with the XYZ color 16.8872, 11.5501, 7.4702.

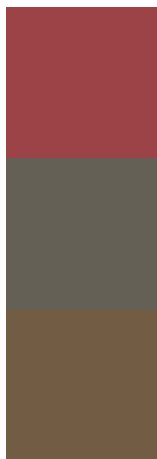


This preview shows how white text looks on a background with the XYZ color 16.8872, 11.5501,

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

16.8872, 11.5501, 7.4702

Protanopia

11.1181, 11.7470, 10.4855

Deuteranopia

11.8100, 11.6491, 7.0949



Tritanopia

16.8872, 11.5501, 7.4702

Trichromacy



Original Color

16.8872, 11.5501, 7.4702

Protanomaly

12.4794, 11.0841, 9.2663

Deuteranomaly

13.2207, 11.2833, 7.1113

Tritanomaly

16.8872, 11.5501, 7.4702

Monochromacy



Original Color

16.8872, 11.5501, 7.4702

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.1862, 10.7944, 10.2454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8872, 11.5501, 7.4702 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(156, 67, 72)` looks like.

```
.text, #text, p{  
    color:rgb(156, 67, 72)  
}
```

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(156, 67, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 67, 72) }
```

Border

The CSS property to change the border of an element to XYZ 16.8872, 11.5501, 7.4702 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(156, 67, 72) }
```


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

```
.border{ border-color:rgb(156, 67, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 67, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 67, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 67, 72);  
box-shadow:4px 4px 4px 4px rgb(156, 67,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8872, 11.5501, 7.4702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 67, 72) }
```

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

```
.background{ background-color: rgb(156, 67,  
72) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor