

Converting Colors

XYZ(16.8882, 16.8215, 7.1700)

Have a look what the booklet for
XYZ(16.8882, 16.8215, 7.1700)
contains.

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Color

**XYZ(16.9826, 16.9253,
7.2223)**

Conversions

Conversions Part 1

Format	Color
Hex	8A6E40
RGB	138, 110, 64
RGB Percent	54%, 43%, 25%
CMY	0.4588, 0.5686, 0.7490
CMYK	0.00, 0.20, 0.54, 0.46
HSL	37°, 37%, 40%
HSV	37°, 54%, 54%
XYZ	16.9826, 16.9253, 7.2223
YIQ	113.1280, 31.4540, -8.3700

Conversions

Conversions Part 2

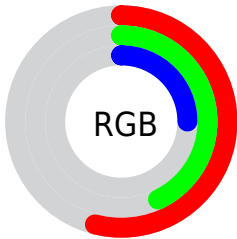
Format	Color
RYB	109, 138, 64
Decimal	9072192
CIELab	48.17, 5.04, 29.67
CIELCh	48, 30.096, 80.359
Yxy	16.9253, 0.4129, 0.4115
Android (android.graphics.Color)	4287262272 (0xFF8A6E40)
YUV	113.1280, -24.2201, 21.8127
Hunter-Lab	41.1404, 1.6885, 18.3897

Details

The XYZ color **16.9826, 16.9253, 7.2223** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **10.5288, 10.5789, 25.5317**, and the grayscale version is **15.7975, 16.6202, 18.0994**.

A 20% lighter version of the original color is **37.7178, 38.0194, 20.9733**, and **5.7328, 5.5805, 1.3911** is the 20% darker color. If you saturate the color by 10%, you get **16.0908, 15.6942, 5.2216**, and if you desaturate by 10%, it is **18.0056, 18.2633, 9.7466**.

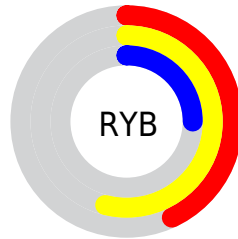
Distribution



Red (54%)

Green (43%)

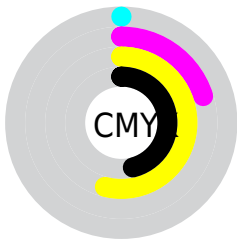
Blue (25%)



Red (43%)

Yellow (54%)

Blue (25%)

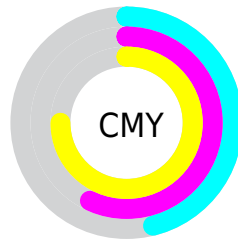


Cyan (0%)

Magenta (20%)

Yellow (54%)

Black (46%)



Cyan (46%)

Magenta (57%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9826, 16.9253, 7.2223 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 16.9826, 16.9253, 7.2223 by changing the saturation by 10% instead.

■ 16.9826, 16.9253,
7.2223

■ 16.9826, 16.9253,
7.2223

228.2303,
234.7415, 179.1987

■ 10.3173, 10.1812,
3.5210

■ 37.8397, 38.1973,
20.9395

■ 5.6737, 5.5193,
1.3664

■ 52.7622, 53.4940,
31.7924

■ 2.6865, 2.5551,
0.1153

■ 71.1678, 72.4104,
45.8663

■ 0.9902, 0.9041,
0.0000

■ 93.4220, 95.3309,
63.5796

■ 0.0000, 0.0000,
0.0000

■ 119.8899,
122.6399, 85.3510

■ 150.9370,

154.7217, 111.5989

186.9287,
191.9608, 142.7420

■ 16.9826, 16.9253,
7.2223

■ 16.9826, 16.9253,
7.2223

■ 16.0908, 15.6942,
5.2216

■ 18.0056, 18.2633,
9.7466

■ 15.3211, 14.5636,
3.7049

■ 19.1658, 19.7094,
12.8282

■ 14.6650, 13.5297,
2.6284

■ 20.4700, 21.2681,
16.4992

■ 14.1118, 12.5872,
1.9385

■ 21.9243, 22.9425,
20.7890

■ 13.7923, 12.0253,
1.5942

■ 23.5344, 24.7357,
25.7248

■ 25.3057, 26.6508,
31.3324

■ 27.2431, 28.6904,
37.6361

■ 29.3516, 30.8574,
44.6589

■ 31.6358, 33.1543,
52.4228

Harmonies

Analogous

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



19.6753, 16.9253, 9.1038



16.9826, 16.9253, 7.2223



14.3282, 16.9253, 7.6188

Triad

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



16.9826, 16.9253, 7.2223



11.6487, 16.9253, 24.1722



20.4794, 16.9253, 29.7856

Complementary

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



16.9826, 16.9253, 7.2223



10.5288, 10.5789, 25.5317

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.



17.9841, 16.9253, 36.4314



16.9826, 16.9253, 7.2223



12.9638, 16.9253, 32.6062

Square

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



16.9826, 16.9253, 7.2223



11.4451, 16.9253, 16.0230



15.2234, 16.9253, 37.5888



21.8397, 16.9253, 21.0641

Rectangle

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



16.9826, 16.9253, 7.2223



12.9202, 16.9253, 9.1798



15.2234, 16.9253, 37.5888



19.7331, 16.9253, 32.4292

Sweetspot

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



16.9830, 16.9261, 7.2226



37.9216, 39.6170, 34.4770



14.2626, 9.8494, 11.3590



8.4037, 8.7691, 7.4307



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.9830, 16.9261, 7.2226



28.1108, 27.3033, 8.6778



19.1230, 23.2430, 8.3291



5.2747, 5.5323, 5.3422



12.6599, 11.0541, 1.4664



0.0983, 0.1017, 0.0145

Inverse Universe

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



10.5288, 10.5789, 25.5317



15.5255, 14.9492, 44.4504



9.1409, 6.9041, 24.8956



4.9196, 5.1822, 6.3468



5.3538, 3.9779, 22.5313



0.0489, 0.0531, 0.1541

Previews

White Background



This preview shows how the XYZ color 16.9826, 16.9253, 7.2223 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 16.9826, 16.9253, 7.2223 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 16.9826, 16.9253, 7.2223

Background



This preview shows how black text looks on a background with the XYZ color 16.9826, 16.9253, 7.2223.



This preview shows how white text looks on a background with the XYZ color 16.9826, 16.9253,

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

16.9826, 16.9253, 7.2223

Protanopia

15.7183, 17.0904, 7.6246

Deuteranopia

17.2093, 16.8829, 7.2022



Tritanopia

19.0303, 16.8213, 17.5731

Trichromacy



Original Color

16.9826, 16.9253, 7.2223

Protanomaly

16.0652, 16.9377, 7.4236

Deuteranomaly

17.0415, 16.7964, 7.1943

Tritanomaly

18.2041, 16.7970, 13.1092

Monochromacy



Original Color

16.9826, 16.9253, 7.2223

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.8858, 16.5521, 13.1841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9826, 16.9253, 7.2223 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(138, 110, 64)` looks like.

```
.text, #text, p{  
    color:rgb(138, 110, 64)  
}
```

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(138, 110, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 110, 64) }
```

Border

The CSS property to change the border of an element to XYZ 16.9826, 16.9253, 7.2223 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(138, 110, 64) }
```


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

```
.border{ border-color:rgb(138, 110, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 110, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 110, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 110, 64);  
box-shadow:4px 4px 4px 4px rgb(138, 110,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9826, 16.9253, 7.2223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 110, 64) }
```

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

```
.background{ background-color: rgb(138,  
110, 64) }
```

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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