

Converting Colors

XYZ(24.9016, 22.3588, 11.0075)

Have a look what the booklet for
XYZ(24.9016, 22.3588, 11.0075)
contains.

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Color

**XYZ(24.7960, 22.2240,
10.9654)**

Conversions

Conversions Part 1

Format	Color
Hex	AB7652
RGB	171, 118, 82
RGB Percent	67%, 46%, 32%
CMY	0.3294, 0.5372, 0.6784
CMYK	0.00, 0.31, 0.52, 0.33
HSL	24°, 35%, 50%
HSV	24°, 52%, 67%
XYZ	24.7960, 22.2240, 10.9654
YIQ	129.7430, 43.1440, 0.0400

Conversions

Conversions Part 2

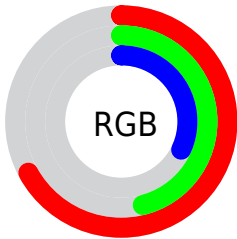
Format	Color
R_{YB}	171, 142, 82
Decimal	11236946
CIE _{Lab}	54.26, 16.62, 28.09
CIE _{LCh}	54, 32.644, 59.386
Yxy	22.2240, 0.4276, 0.3833
Android (android.graphics.Color)	4289427026 (0xFFAB7652)
YUV	129.7430, -23.5373, 36.1824
Hunter-Lab	47.1423, 11.3886, 19.2087

Details

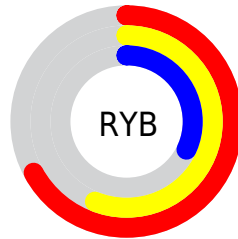
The XYZ color **24.7960, 22.2240, 10.9654** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.4939, 22.0610, 41.7587**, and the grayscale version is **21.1976, 22.3015, 24.2864**.

A 20% lighter version of the original color is **50.8527, 47.0734, 28.2356**, and **9.6490, 8.0966, 2.7233** is the 20% darker color. If you saturate the color by 10%, you get **23.0896, 19.7261, 7.5766**, and if you desaturate by 10%, it is **26.7951, 25.0479, 15.2522**.

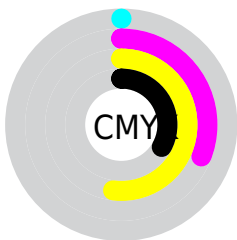
Distribution



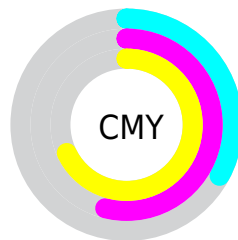
- Red (67%)
- Green (46%)
- Blue (32%)



- Red (67%)
- Yellow (56%)
- Blue (32%)



- Cyan (0%)
- Magenta (31%)
- Yellow (52%)
- Black (33%)





- Cyan (33%)
- Magenta (54%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.7960, 22.2240, 10.9654 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 24.7960, 22.2240, 10.9654 by changing the saturation by 10% instead.

 24.7960, 22.2240,
10.9654


 24.7960, 22.2240,
10.9654


269.1869,
263.7138, 208.1589


 16.0531, 14.0216,
5.9297


 50.7714, 47.1159,
28.2318


 9.6528, 8.1357,
2.7343


 68.7345, 64.5743,
41.2997


 5.2299, 4.1819,
0.9606

 90.5017, 85.8867,
57.8819

 2.4189, 1.7758,
0.0000

 116.4384,
111.4376, 78.3972

 0.8545, 0.4720,
0.0000

 146.9099,
141.6113, 103.2640

 0.0000, 0.0000,
0.0000

182.2816,

176.7924, 132.9008

222.9188,
217.3651, 167.7263

■ 24.7960, 22.2240,
10.9654

■ 24.7960, 22.2240,
10.9654

■ 23.0896, 19.7261,
7.5766

■ 26.7951, 25.0479,
15.2522

■ 21.6580, 17.5378,
5.0185

■ 29.1002, 28.2067,
20.4951

■ 20.4833, 15.6460,
3.2162

■ 31.7256, 31.7130,
26.7486

■ 19.5443, 14.0349,
2.0803

■ 34.6843, 35.5777,
34.0629

■ 18.9335, 12.9359,
1.4990

■ 37.9884, 39.8113,
42.4847

■ 41.6493, 44.4236,
52.0579

■ 45.6779, 49.4242,
62.8240

■ 50.0847, 54.8223,
74.8225

■ 54.8796, 60.6266,
88.0910

Harmonies

Analogous

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



27.6512, 22.2240, 15.8126



24.7960, 22.2240, 10.9654



21.1965, 22.2240, 9.4348

Triad

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



24.7960, 22.2240, 10.9654



15.0030, 22.2240, 23.9892



24.6553, 22.2240, 45.5580

Complementary

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



24.7960, 22.2240, 10.9654



19.4939, 22.0610, 41.7587

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.



21.0502, 22.2240, 49.5026



24.7960, 22.2240, 10.9654



15.7132, 22.2240, 35.1221

Square

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



24.7960, 22.2240, 10.9654



15.7733, 22.2240, 15.5409



17.8323, 22.2240, 45.2393



27.5637, 22.2240, 35.5894

Rectangle

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



24.7960, 22.2240, 10.9654



18.9362, 22.2240, 10.0386



17.8323, 22.2240, 45.2393



23.4726, 22.2240, 47.7385

Sweetspot

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



24.7965, 22.2251, 10.9658



59.7988, 60.7061, 55.2176



24.2133, 16.4532, 24.9693



13.1007, 13.2310, 11.7342



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.7965, 22.2251, 10.9658



41.0607, 34.8913, 13.0204



31.2555, 35.1429, 13.1188



8.2613, 8.5274, 8.4239



14.3221, 9.8497, 1.1463



0.4530, 0.3831, 0.0501

Inverse Universe

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



19.4939, 22.0610, 41.7587



30.5218, 34.5123, 74.0547



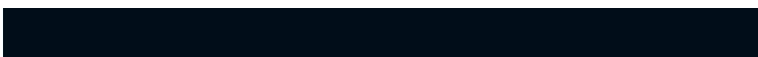
14.5631, 12.1994, 40.1151



7.9604, 8.5202, 10.1777



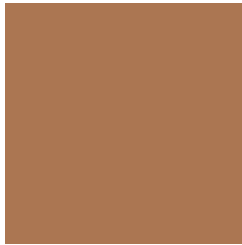
9.1627, 9.4593, 30.3874



0.3067, 0.3668, 0.8626

Previews

White Background



This preview shows how the XYZ color 24.7960, 22.2240, 10.9654 looks on a white background.

Color Contrast Check

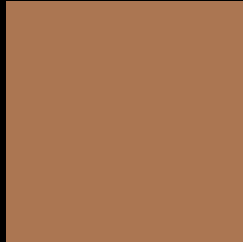
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.7960, 22.2240, 10.9654 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.7960, 22.2240, 10.9654

Background



This preview shows how black text looks on a background with the XYZ color 24.7960, 22.2240, 10.9654.



This preview shows how white text looks on a background with the XYZ color 24.7960, 22.2240,

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

24.7960, 22.2240, 10.9654

Protanopia

20.6874, 22.3161, 12.2339

Deuteranopia

22.5975, 22.1775, 10.8742



Tritanopia

26.8119, 22.1894, 20.9590

Trichromacy



Original Color

24.7960, 22.2240, 10.9654

Protanomaly

22.0494, 22.2530, 11.7275

Deuteranomaly

23.3450, 22.1945, 10.8381

Tritanomaly

26.0182, 22.2072, 16.8250

Monochromacy



Original Color

24.7960, 22.2240, 10.9654

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

22.1185, 22.1337, 18.7292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7960, 22.2240, 10.9654 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(171, 118, 82)` looks like.

```
.text, #text, p{  
    color:rgb(171, 118, 82)  
}
```

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(171, 118, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 118, 82) }
```

Border

The CSS property to change the border of an element to XYZ 24.7960, 22.2240, 10.9654 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(171, 118, 82) }
```


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

```
.border{ border-color:rgb(171, 118, 82) }
```

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

Here you see how a box with a 4 pixel rgb(171, 118, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 118, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 118, 82);  
box-shadow:4px 4px 4px 4px rgb(171, 118,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7960, 22.2240, 10.9654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 118, 82) }
```

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

```
.background{ background-color: rgb(171,  
118, 82) }
```

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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