

Converting Colors

XYZ(25.6075, 22.9820, 9.8624)

Have a look what the booklet for
XYZ(25.6075, 22.9820, 9.8624)
contains.

XYZ(25.7002, 23.0687, 9.9356)	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(25.7002, 23.0687,
9.9356)**

Conversions

Conversions Part 1

Format	Color
Hex	AF784C
RGB	175, 120, 76
RGB Percent	69%, 47%, 30%
CMY	0.3137, 0.5294, 0.7020
CMYK	0.00, 0.31, 0.57, 0.31
HSL	27°, 39%, 49%
HSV	27°, 57%, 69%
XYZ	25.7002, 23.0687, 9.9356
YIQ	131.4290, 46.9040, -2.0240

Conversions

Conversions Part 2

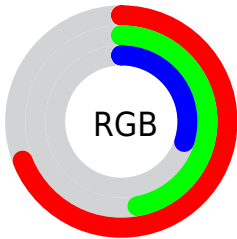
Format	Color
R_{YB}	175, 155, 76
Decimal	11499596
CIE _{Lab}	55.14, 16.67, 32.62
CIE _{LCh}	55, 36.633, 62.929
Yxy	23.0687, 0.4378, 0.3930
Android (android.graphics.Color)	4289689676 (0xFFAF784C)
YUV	131.4290, -27.3265, 38.2118
Hunter-Lab	48.0299, 11.4608, 21.3560

Details

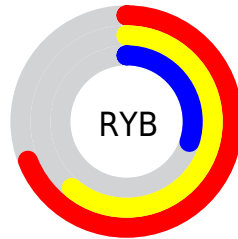
The XYZ color **25.7002, 23.0687, 9.9356** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **18.8342, 20.8633, 43.5917**, and the grayscale version is **21.8105, 22.9464, 24.9886**.

A 20% lighter version of the original color is **52.1227, 48.3350, 26.3211**, and **10.0953, 8.5222, 2.3412** is the 20% darker color. If you saturate the color by 10%, you get **24.0622, 20.6376, 6.7854**, and if you desaturate by 10%, it is **27.6235, 25.8057, 13.9978**.

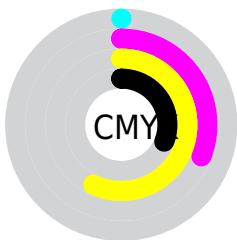
Distribution



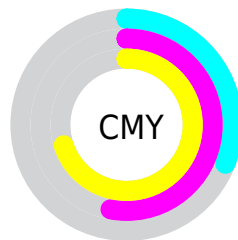
- Red (69%)
- Green (47%)
- Blue (30%)



- Red (69%)
- Yellow (61%)
- Blue (30%)



- Cyan (0%)
- Magenta (31%)
- Yellow (57%)
- Black (31%)





- Cyan (31%)
- Magenta (53%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.7002, 23.0687, 9.9356 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 25.7002, 23.0687, 9.9356 by changing the saturation by 10% instead.


 25.7002, 23.0687,
9.9356

 25.7002, 23.0687,
9.9356

273.5910,
268.0777, 200.6799


 16.7310, 14.6442,
5.2512


 52.2257, 48.5061,
26.2802


 10.1370, 8.5701,
2.3341


 70.5126, 66.2878,
38.7776

 5.5528, 4.4618,
0.7502

 92.6362, 87.9575,
54.7163

 2.6132, 1.9351,
0.0000

 118.9618,
113.8994, 74.5150

 0.9527, 0.5694,
0.0000

 149.8547,
144.4979, 98.5921

 0.0000, 0.0000,
0.0000

185.6803,

180.1376, 127.3663

226.8040,
221.2027, 161.2561

■ 25.7002, 23.0687,
9.9356

■ 25.7002, 23.0687,
9.9356

■ 24.0622, 20.6376,
6.7854

■ 27.6235, 25.8057,
13.9978

■ 22.6907, 18.4965,
4.4722

■ 29.8461, 28.8568,
19.0361

■ 21.5663, 16.6327,
2.9110

■ 32.3828, 32.2342,
25.1105

■ 20.6633, 15.0296,
1.9843

■ 35.2469, 35.9480,
32.2755

■ 20.3883, 14.5322,
1.7304

■ 38.4509, 40.0081,
40.5820

■ 42.0066, 44.4239,
50.0773

■ 45.9251, 49.2043,
60.8065

■ 50.2170, 54.3580,
72.8119

■ 54.8925, 59.8932,
86.1340

Harmonies

Analogous

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



29.2051, 23.0687, 14.7632



25.7002, 23.0687, 9.9356



21.5271, 23.0687, 8.6798

Triad

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



25.7002, 23.0687, 9.9356



14.9775, 23.0687, 26.2853



26.4810, 23.0687, 49.1376

Complementary

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



25.7002, 23.0687, 9.9356



18.8342, 20.8633, 43.5917

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.



22.3300, 23.0687, 54.9629



25.7002, 23.0687, 9.9356



15.9698, 23.0687, 39.4446

Square

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



25.7002, 23.0687, 9.9356



15.6470, 23.0687, 16.2050



18.5409, 23.0687, 50.9581



29.6938, 23.0687, 36.8148

Rectangle

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



25.7002, 23.0687, 9.9356



19.0051, 23.0687, 9.5697



18.5409, 23.0687, 50.9581



25.1321, 23.0687, 52.0679

Sweetspot

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



25.7008, 23.0698, 9.9360



62.7350, 63.8801, 56.8091



24.4354, 15.9517, 23.6569



13.7119, 13.9001, 12.0397



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



25.7008, 23.0698, 9.9360



42.4103, 35.9135, 10.9349



33.0603, 37.7889, 12.3892



8.2873, 8.5794, 8.4326



14.6603, 10.5260, 1.2590



0.4629, 0.4030, 0.0534

Inverse Universe

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



18.8342, 20.8633, 43.5917



28.8648, 31.5199, 77.1995



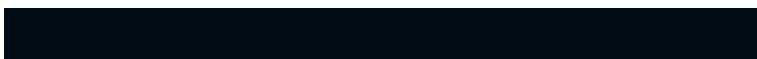
13.7813, 10.7573, 41.9074



7.9339, 8.4672, 10.1689



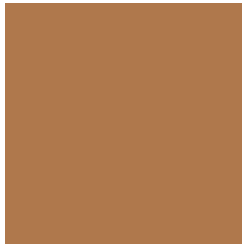
8.6789, 8.4917, 30.2261



0.2949, 0.3431, 0.8587

Previews

White Background



This preview shows how the XYZ color 25.7002, 23.0687, 9.9356 looks on a white background.

Color Contrast Check

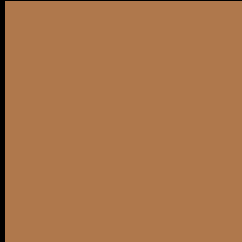
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7002, 23.0687, 9.9356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

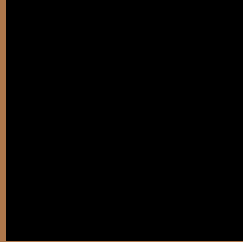
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 25.7002, 23.0687, 9.9356

Background



This preview shows how black text looks on a background with the XYZ color 25.7002, 23.0687, 9.9356.



This preview shows how white text looks on a background with the XYZ color 25.7002, 23.0687,

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

25.7002, 23.0687, 9.9356

Protanopia

21.4135, 23.1164, 11.1179

Deuteranopia

23.4288, 23.0068, 9.8625



Tritanopia

28.1829, 23.0484, 21.7023

Trichromacy



Original Color

25.7002, 23.0687, 9.9356

Protanomaly

22.8408, 23.0708, 10.6464

Deuteranomaly

24.2035, 23.0303, 9.8262

Tritanomaly

27.2070, 22.9964, 16.6404

Monochromacy



Original Color

25.7002, 23.0687, 9.9356

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.4912, 22.5295, 18.2021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7002, 23.0687, 9.9356 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(175, 120, 76)` looks like.

```
.text, #text, p{  
    color:rgb(175, 120, 76)  
}
```

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(175, 120, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 120, 76) }
```

Border

The CSS property to change the border of an element to XYZ 25.7002, 23.0687, 9.9356 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(175, 120, 76) }
```


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

```
.border{ border-color:rgb(175, 120, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 120, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 120, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 120, 76);  
box-shadow:4px 4px 4px 4px rgb(175, 120,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7002, 23.0687, 9.9356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 120, 76) }
```

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

```
.background{ background-color: rgb(175,  
120, 76) }
```

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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