

Converting Colors

XYZ(27.8352, 24.4202, 6.9687)

Have a look what the booklet for
XYZ(27.8352, 24.4202, 6.9687)
contains.

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Color

**XYZ(27.8009, 24.3994,
6.9857)**

Conversions

Conversions Part 1

Format	Color
Hex	BA7938
RGB	186, 121, 56
RGB Percent	73%, 47%, 22%
CMY	0.2706, 0.5255, 0.7804
CMYK	0.00, 0.35, 0.70, 0.27
HSL	30°, 54%, 47%
HSV	30°, 70%, 73%
XYZ	27.8009, 24.3994, 6.9857
YIQ	133.0250, 59.6050, -6.4350

Conversions

Conversions Part 2

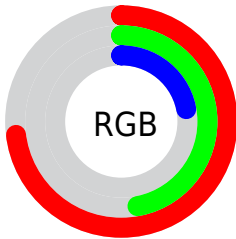
Format	Color
RYB	186, 186, 56
Decimal	12220728
CIELab	56.49, 19.46, 44.91
CIELCh	56, 48.946, 66.567
Yxy	24.3994, 0.4697, 0.4122
Android (android.graphics.Color)	4290410808 (0xFFBA7938)
YUV	133.0250, -37.9733, 46.4591
Hunter-Lab	49.3957, 14.0208, 26.1920

Details

The XYZ color **27.8009, 24.3994, 6.9857** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.3308, 18.0598, 49.0265**, and the grayscale version is **22.4228, 23.5905, 25.6901**.

A 20% lighter version of the original color is **55.7436, 50.9055, 20.5234**, and **11.2359, 9.2305, 1.2756** is the 20% darker color. If you saturate the color by 10%, you get **26.3516, 22.0987, 4.6602**, and if you desaturate by 10%, it is **29.5292, 26.9881, 10.2383**.

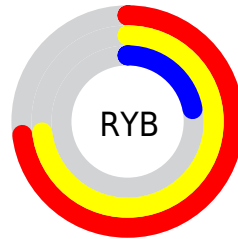
Distribution



Red (73%)

Green (47%)

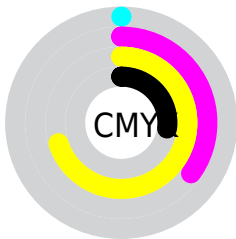
Blue (22%)



Red (73%)

Yellow (73%)

Blue (22%)

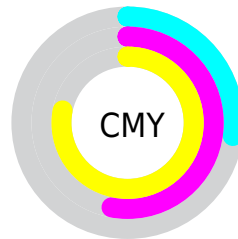


Cyan (0%)

Magenta (35%)

Yellow (70%)

Black (27%)



Cyan (27%)


Magenta (53%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8009, 24.3994, 6.9857 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 27.8009, 24.3994, 6.9857 by changing the saturation by 10% instead.

 27.8009, 24.3994,
6.9857


 27.8009, 24.3994,
6.9857


283.6117,
274.8335, 177.1713


 18.3153, 15.6302,
3.3748


 55.5773, 50.6812,
20.4568

 11.2777, 9.2628,
1.2891


 74.5988, 68.9625,
31.1542

 6.3226, 4.9130,
0.0528


 97.5296, 91.1833,
45.0507

 3.0847, 2.1963,
0.0000

 124.7352,
117.7280, 62.5651

 1.1987, 0.7180,
0.0000

 156.5808,
148.9810, 84.1158

 0.1054, 0.0000,
0.0000

 193.4319,

 0.0000, 0.0000,

185.3267, 110.1214

0.0000

235.6537,
227.1494, 141.0003

■ 27.8009, 24.3994,
6.9857

■ 27.8009, 24.3994,
6.9857

■ 26.3516, 22.0987,
4.6602

■ 29.5292, 26.9881,
10.2383

■ 25.1569, 20.0683,
3.1549

■ 31.5546, 29.8736,
14.5060

■ 24.1745, 18.2871,
2.2614

■ 33.8953, 33.0688,
19.8679

■ 24.1645, 18.2688,
2.2526

■ 36.5673, 36.5845,
26.3950

■ 39.5854, 40.4307,
34.1521

■ 42.9633, 44.6172,
43.1992

■ 46.7141, 49.1530,
53.5923

■ 50.8499, 54.0469,
65.3842

■ 55.3825, 59.3073,
78.6248

Harmonies

Analogous

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



33.0923, 24.3994, 11.9720



27.8009, 24.3994, 6.9857



21.9666, 24.3994, 6.0576

Triad

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



27.8009, 24.3994, 6.9857



13.9609, 24.3994, 30.2989



30.3091, 24.3994, 60.3499

Complementary

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



27.8009, 24.3994, 6.9857



17.3308, 18.0598, 49.0265

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.



24.4598, 24.3994, 71.2063



27.8009, 24.3994, 6.9857



15.4923, 24.3994, 49.8396

Square

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



27.8009, 24.3994, 6.9857



14.5592, 24.3994, 15.9865



19.1210, 24.3994, 66.7312



34.6975, 24.3994, 41.0138

Rectangle

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



27.8009, 24.3994, 6.9857



18.6499, 24.3994, 7.2860



19.1210, 24.3994, 66.7312



28.4150, 24.3994, 65.4070

Sweetspot

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



27.8015, 24.4006, 6.9862



70.9147, 72.2304, 59.7126



25.1151, 14.6481, 19.5931



15.2741, 15.4725, 12.2609



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



27.8015, 24.4006, 6.9862



46.5192, 37.9726, 6.7763



38.5222, 45.8422, 10.5597



9.3656, 9.7342, 9.4922



16.3322, 12.4407, 1.5405



0.6376, 0.5624, 0.0749

Inverse Universe

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



17.3308, 18.0598, 49.0265



26.3432, 25.7545, 87.7841



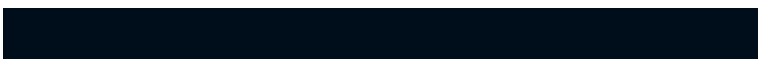
11.9082, 7.2145, 47.2190



8.8821, 9.4414, 11.4337



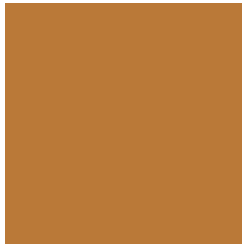
8.6707, 7.8012, 32.3018



0.3676, 0.3988, 1.1594

Previews

White Background



This preview shows how the XYZ color 27.8009, 24.3994, 6.9857 looks on a white background.

Color Contrast Check

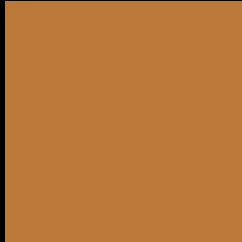
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8009, 24.3994, 6.9857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

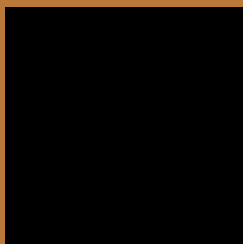
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.8009, 24.3994, 6.9857

Background



This preview shows how black text looks on a background with the XYZ color 27.8009, 24.3994, 6.9857.



This preview shows how white text looks on a background with the XYZ color 27.8009, 24.3994,

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

27.8009, 24.3994, 6.9857

Protanopia

22.3823, 24.5139, 7.8269

Deuteranopia

24.8783, 24.4019, 6.8888



Tritanopia

30.7654, 24.3869, 21.4980

Trichromacy



Original Color

27.8009, 24.3994, 6.9857

Protanomaly

24.2156, 24.4409, 7.5789

Deuteranomaly

25.8296, 24.3115, 6.9456

Tritanomaly

29.5522, 24.4232, 14.7119

Monochromacy



Original Color

27.8009, 24.3994, 6.9857

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

23.3490, 23.3958, 16.6498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8009, 24.3994, 6.9857 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(186, 121, 56)` looks like.

```
.text, #text, p{  
    color:rgb(186, 121, 56)  
}
```

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(186, 121, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 121, 56) }
```

Border

The CSS property to change the border of an element to XYZ 27.8009, 24.3994, 6.9857 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(186, 121, 56) }
```


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

```
.border{ border-color:rgb(186, 121, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 121, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 121, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 121, 56);  
box-shadow:4px 4px 4px 4px rgb(186, 121,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8009, 24.3994, 6.9857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 121, 56) }
```

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

```
.background{ background-color: rgb(186,  
121, 56) }
```

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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