

Converting Colors

XYZ(28.0692, 26.8720, 9.7372)

Have a look what the booklet for
XYZ(28.0692, 26.8720, 9.7372)
contains.

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Color

**XYZ(27.8850, 26.6950,
9.6442)**

Conversions

Conversions Part 1

Format	Color
Hex	B28547
RGB	178, 133, 71
RGB Percent	70%, 52%, 28%
CMY	0.3020, 0.4784, 0.7216
CMYK	0.00, 0.25, 0.60, 0.30
HSL	35°, 43%, 49%
HSV	35°, 60%, 70%
XYZ	27.8850, 26.6950, 9.6442
YIQ	139.3870, 46.7220, -9.7420

Conversions

Conversions Part 2

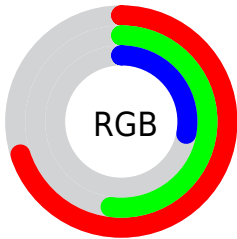
Format	Color
RYB	149, 178, 71
Decimal	11699527
CIELab	58.69, 10.29, 39.63
CIElCh	59, 40.940, 75.439
Yxy	26.6950, 0.4342, 0.4157
Android (android.graphics.Color)	4289889607 (0xFFB28547)
YUV	139.3870, -33.7148, 33.8636
Hunter-Lab	51.6672, 5.9196, 25.1000

Details

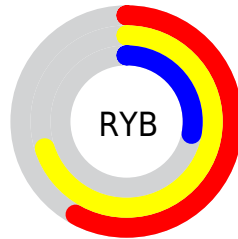
The XYZ color **27.8850, 26.6950, 9.6442** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **16.8795, 17.0440, 44.5195**, and the grayscale version is **24.8040, 26.0957, 28.4182**.

A 20% lighter version of the original color is **55.6022, 54.3312, 25.6456**, and **11.3510, 10.5401, 2.2468** is the 20% darker color. If you saturate the color by 10%, you get **26.4069, 24.5230, 6.7342**, and if you desaturate by 10%, it is **29.6048, 29.0826, 13.4608**.

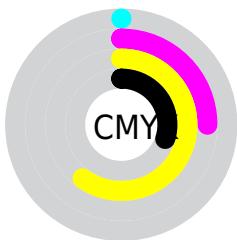
Distribution



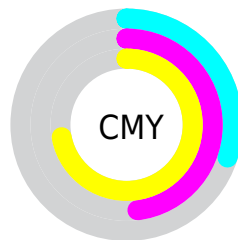
- Red (70%)
- Green (52%)
- Blue (28%)



- Red (58%)
- Yellow (70%)
- Blue (28%)



- Cyan (0%)
- Magenta (25%)
- Yellow (60%)
- Black (30%)



- Cyan (30%)
- Magenta (48%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8850, 26.6950, 9.6442 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 27.8850, 26.6950, 9.6442 by changing the saturation by 10% instead.

■ 27.8850, 26.6950,
9.6442

■ 27.8850, 26.6950,
9.6442

284.0070,
286.1773, 198.5051

■ 18.3790, 17.3443,
5.0612

■ 55.7107, 54.3941,
25.7214

■ 11.3238, 10.4803,
2.2238

■ 74.7611, 73.5112,
38.0526

■ 6.3539, 5.7185,
0.6881

■ 97.7238, 96.6526,
53.8036

■ 3.1042, 2.6747,
0.0000

■ 124.9639,
124.2026, 73.3931

■ 1.2091, 0.9644,
0.0000

■ 156.8470,
156.5457, 97.2394

■ 0.1135, 0.0000,
0.0000

193.7383,

■ 0.0000, 0.0000,

194.0663, 125.7611

0.0000

236.0032,
237.1487, 159.3769

■ 27.8850, 26.6950,
9.6442

■ 27.8850, 26.6950,
9.6442

■ 26.4069, 24.5230,
6.7342

■ 29.6048, 29.0826,
13.4608

■ 25.1519, 22.5537,
4.6492

■ 31.5790, 31.6902,
18.2528

■ 24.1014, 20.7781,
3.2956

■ 33.8218, 34.5267,
24.0840

■ 23.2249, 19.1947,
2.4809

■ 36.3453, 37.5992,
31.0125

■ 39.1611, 40.9145,
39.0918

■ 42.2798, 44.4789,
48.3721

■ 45.7117, 48.2986,
58.9005

■ 49.4663, 52.3794,
70.7215

■ 53.5529, 56.7271,
83.8776

Harmonies

Analogous

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



32.7888, 26.6950, 13.4507



27.8850, 26.6950, 9.6442



22.8822, 26.6950, 9.6970

Triad

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



27.8850, 26.6950, 9.6442



17.1394, 26.6950, 37.0884



32.9134, 26.6950, 53.1796

Complementary

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



27.8850, 26.6950, 9.6442



16.8795, 17.0440, 44.5195

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.



28.0379, 26.6950, 64.8129



27.8850, 26.6950, 9.6442



19.1689, 26.6950, 53.6302

Square

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



27.8850, 26.6950, 9.6442



17.1098, 26.6950, 22.6390



23.0162, 26.6950, 65.0007



35.9420, 26.6950, 36.6078

Rectangle

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



27.8850, 26.6950, 9.6442



20.1639, 26.6950, 11.8254



23.0162, 26.6950, 65.0007



31.4094, 26.6950, 58.0074

Sweetspot

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



27.8856, 26.6963, 9.6447



66.7895, 69.2333, 58.7196



23.8459, 15.2647, 18.6327



14.4865, 14.9673, 12.1351



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



27.8856, 26.6963, 9.6447



47.1319, 43.3126, 10.8731



33.8233, 40.9386, 12.0808



8.8916, 9.2958, 8.9781



16.6810, 13.8607, 1.7962



0.5810, 0.5485, 0.0752

Inverse Universe

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



16.8795, 17.0440, 44.5195



25.4474, 24.3450, 79.7390



13.4422, 9.3465, 43.2149



8.3259, 8.7979, 10.7657



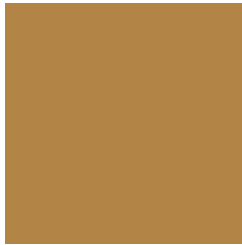
7.6024, 6.0051, 30.8954



0.2974, 0.3054, 0.9915

Previews

White Background



This preview shows how the XYZ color 27.8850, 26.6950, 9.6442 looks on a white background.

Color Contrast Check

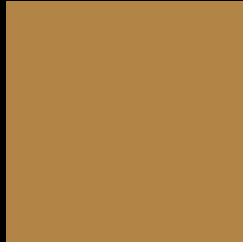
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8850, 26.6950, 9.6442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

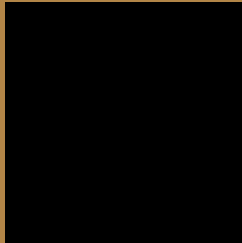
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.8850, 26.6950, 9.6442

Background



This preview shows how black text looks on a background with the XYZ color 27.8850, 26.6950, 9.6442.



This preview shows how white text looks on a background with the XYZ color 27.8850, 26.6950,

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

27.8850, 26.6950, 9.6442

Protanopia

24.6193, 26.9083, 10.3748

Deuteranopia

27.2569, 26.7815, 9.6940



Tritanopia

31.3625, 26.7383, 26.4297

Trichromacy



Original Color

27.8850, 26.6950, 9.6442

Protanomaly

25.7451, 26.8388, 10.1268

Deuteranomaly

27.3416, 26.6191, 9.6582

Tritanomaly

29.8309, 26.6941, 18.9095

Monochromacy



Original Color

27.8850, 26.6950, 9.6442

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

25.1198, 25.8785, 19.5907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8850, 26.6950, 9.6442 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(178, 133, 71)` looks like.

```
.text, #text, p{  
    color:rgb(178, 133, 71)  
}
```

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(178, 133, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 133, 71) }
```

Border

The CSS property to change the border of an element to XYZ 27.8850, 26.6950, 9.6442 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(178, 133, 71) }
```


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

```
.border{ border-color:rgb(178, 133, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 133, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 133, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 133, 71);  
box-shadow:4px 4px 4px 4px rgb(178, 133,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8850, 26.6950, 9.6442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 133, 71) }
```

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

```
.background{ background-color: rgb(178,  
133, 71) }
```

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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