

Converting Colors

XYZ(27.6734, 23.5864, 10.3366)

Have a look what the booklet for
XYZ(27.6734, 23.5864, 10.3366)
contains.

XYZ(27.7440, 23.5869, 10.2982)	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(27.7440, 23.5869,
10.2982)**

Conversions

Conversions Part 1

Format	Color
Hex	B9754E
RGB	185, 117, 78
RGB Percent	73%, 46%, 31%
CMY	0.2745, 0.5412, 0.6941
CMYK	0.00, 0.37, 0.58, 0.27
HSL	22°, 43%, 52%
HSV	22°, 58%, 73%
XYZ	27.7440, 23.5869, 10.2982
YIQ	132.8860, 53.0470, 2.2870

Conversions

Conversions Part 2

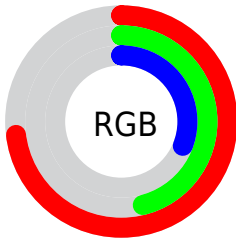
Format	Color
R_{YB}	185, 139, 78
Decimal	12154190
CIE _{Lab}	55.67, 22.75, 32.45
CIE _{LCh}	56, 39.627, 54.971
Yxy	23.5869, 0.4502, 0.3827
Android (android.graphics.Color)	4290344270 (0xFFB9754E)
YUV	132.8860, -27.0588, 45.7040
Hunter-Lab	48.5663, 16.9788, 21.4244

Details

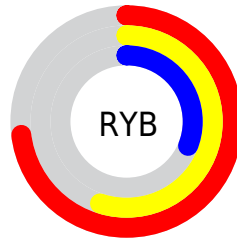
The XYZ color **27.7440, 23.5869, 10.2982** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **22.1771, 25.6790, 49.6864**, and the grayscale version is **22.3352, 23.4984, 25.5897**.

A 20% lighter version of the original color is **55.5792, 49.5411, 27.0551**, and **11.2299, 8.8277, 2.4785** is the 20% darker color. If you saturate the color by 10%, you get **25.8869, 20.7892, 6.8545**, and if you desaturate by 10%, it is **29.9608, 26.8057, 14.7827**.

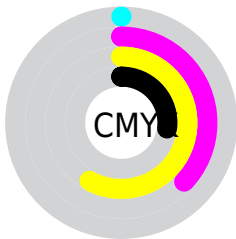
Distribution



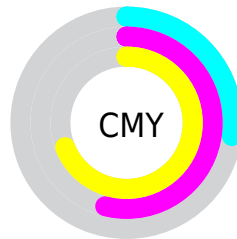
- Red (73%)
- Green (46%)
- Blue (31%)



- Red (73%)
- Yellow (55%)
- Blue (31%)



- Cyan (0%)
- Magenta (37%)
- Yellow (58%)
- Black (27%)





- Cyan (27%)
- Magenta (54%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7440, 23.5869, 10.2982 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 27.7440, 23.5869, 10.2982 by changing the saturation by 10% instead.


 27.7440, 23.5869,
10.2982


 27.7440, 23.5869,
10.2982


283.3439,
270.7253, 203.3489


 18.2722, 15.0275,
5.4889


 55.4870, 49.3552,
26.9714


 11.2465, 8.8387,
2.4732


 74.4889, 67.3329,
39.6725


 6.3014, 4.6361,
0.8259


 97.3982, 89.2188,
55.8412

 3.0716, 2.0354,
0.0000

 124.5804,
115.3973, 75.8961

 1.1917, 0.6279,
0.0000

 156.4007,
146.2528, 100.2558

 0.0998, 0.0000,
0.0000

193.2245,

 0.0000, 0.0000,

182.1697, 129.3388

0.0000

235.4171,
223.5324, 163.5637

■ 27.7440, 23.5869,
10.2982

■ 27.7440, 23.5869,
10.2982

■ 25.8869, 20.7892,
6.8545

■ 29.9608, 26.8057,
14.7827

■ 24.3655, 18.3898,
4.3633

■ 32.5560, 30.4599,
20.3835

■ 23.1546, 16.3690,
2.7238

■ 35.5486, 34.5670,
27.1708

■ 22.2183, 14.7009,
1.7814

■ 38.9559, 39.1429,
35.2084

■ 22.0407, 14.3808,
1.6141

■ 42.7941, 44.2024,
44.5557

■ 47.0785, 49.7597,
55.2680

■ 51.8235, 55.8282,
67.3977

■ 57.0430, 62.4211,
80.9942

■ 62.7500, 69.5508,
96.1047

Harmonies

Analogous

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



31.1838, 23.5869, 16.6003



27.7440, 23.5869, 10.2982



23.1835, 23.5869, 8.0952

Triad

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



27.7440, 23.5869, 10.2982



14.8762, 23.5869, 23.5765



26.2613, 23.5869, 55.2214

Complementary

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



27.7440, 23.5869, 10.2982



22.1771, 25.6790, 49.6864

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.



21.6708, 23.5869, 58.9931



27.7440, 23.5869, 10.2982



15.4722, 23.5869, 37.5879

Square

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



27.7440, 23.5869, 10.2982



16.0704, 23.5869, 13.9507



17.8225, 23.5869, 51.6911



30.2509, 23.5869, 42.6343

Rectangle

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



27.7440, 23.5869, 10.2982



20.2631, 23.5869, 8.4445



17.8225, 23.5869, 51.6911



24.7219, 23.5869, 57.7082

Sweetspot

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



27.7446, 23.5881, 10.2986



70.1338, 70.5886, 63.9315



28.0417, 17.8871, 29.8053



14.8435, 14.8501, 13.1214



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



27.7446, 23.5881, 10.2986



45.6877, 36.1871, 11.1097



35.5613, 39.2216, 12.9042



9.2655, 9.5339, 9.4588



15.0718, 9.9200, 1.1204



0.5912, 0.4695, 0.0595

Inverse Universe

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



22.1771, 25.6790, 49.6864



34.7337, 40.1462, 88.1229



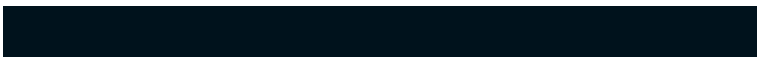
15.9062, 13.1370, 47.5961



8.9840, 9.6451, 11.4676



10.4101, 11.2799, 32.8816



0.4237, 0.5110, 1.1781

Previews

White Background



This preview shows how the XYZ color 27.7440, 23.5869, 10.2982 looks on a white background.

Color Contrast Check

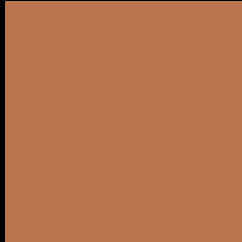
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7440, 23.5869, 10.2982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

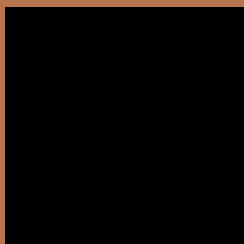
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.7440, 23.5869, 10.2982

Background



This preview shows how black text looks on a background with the XYZ color 27.7440, 23.5869, 10.2982.



This preview shows how white text looks on a background with the XYZ color 27.7440, 23.5869,

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

27.7440, 23.5869, 10.2982

Protanopia

21.9794, 23.8013, 11.8232

Deuteranopia

24.1279, 23.7467, 10.1494



Tritanopia

29.9234, 23.6358, 20.7543

Trichromacy



Original Color

27.7440, 23.5869, 10.2982

Protanomaly

23.7394, 23.5211, 11.2715

Deuteranomaly

25.3418, 23.6091, 10.2425

Tritanomaly

29.0606, 23.6193, 16.3919

Monochromacy



Original Color

27.7440, 23.5869, 10.2982

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

23.5189, 23.0464, 18.8316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7440, 23.5869, 10.2982 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(185, 117, 78)` looks like.

```
.text, #text, p{  
    color:rgb(185, 117, 78)  
}
```

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(185, 117, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 117, 78) }
```

Border

The CSS property to change the border of an element to XYZ 27.7440, 23.5869, 10.2982 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(185, 117, 78) }
```


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

```
.border{ border-color:rgb(185, 117, 78) }
```

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

Here you see how a box with a 4 pixel rgb(185, 117, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 117, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 117, 78);  
box-shadow:4px 4px 4px 4px rgb(185, 117,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7440, 23.5869, 10.2982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 117, 78) }
```

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

```
.background{ background-color: rgb(185,  
117, 78) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor