

Converting Colors

XYZ(23.9438, 23.3346, 10.1393)

Have a look what the booklet for
XYZ(23.9438, 23.3346, 10.1393)
contains.

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Color

**XYZ(23.8696, 23.2300,
10.0633)**

Conversions

Conversions Part 1

Format	Color
Hex	A37E4C
RGB	163, 126, 76
RGB Percent	64%, 49%, 30%
CMY	0.3608, 0.5059, 0.7020
CMYK	0.00, 0.23, 0.53, 0.36
HSL	34°, 36%, 47%
HSV	34°, 53%, 64%
XYZ	23.8696, 23.2300, 10.0633
YIQ	131.3630, 38.1020, -7.7060

Conversions

Conversions Part 2

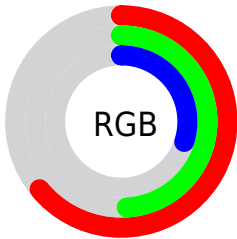
Format	Color
R_{YB}	140, 163, 76
Decimal	10714700
CIE _{Lab}	55.31, 8.09, 32.52
CIE _{LCh}	55, 33.512, 76.027
Yxy	23.2300, 0.4176, 0.4064
Android (android.graphics.Color)	4288904780 (0xFFA37E4C)
YUV	131.3630, -27.2940, 27.7456
Hunter-Lab	48.1975, 4.0557, 21.3589

Details

The XYZ color **23.8696, 23.2300, 10.0633** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.4963, 15.9905, 36.9199**, and the grayscale version is **21.7889, 22.9236, 24.9638**.

A 20% lighter version of the original color is **49.4012, 48.9622, 26.5856**, and **9.1949, 8.6527, 2.4138** is the 20% darker color. If you saturate the color by 10%, you get **22.5174, 21.3206, 7.1622**, and if you desaturate by 10%, it is **25.4279, 25.3220, 13.7419**.

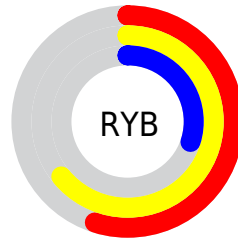
Distribution



Red (64%)

Green (49%)

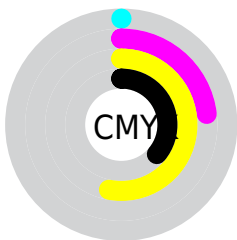
Blue (30%)



Red (55%)

Yellow (64%)

Blue (30%)

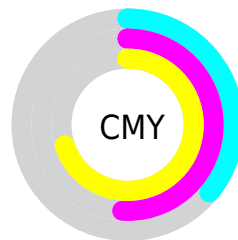


Cyan (0%)

Magenta (23%)

Yellow (53%)

Black (36%)



Cyan (36%)

Magenta (51%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8696, 23.2300, 10.0633 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 23.8696, 23.2300, 10.0633 by changing the saturation by 10% instead.

■ 23.8696, 23.2300,
10.0633

■ 23.8696, 23.2300,
10.0633

264.6133,
268.9041, 201.6245

■ 15.3611, 14.7634,
5.3348

■ 49.2735, 48.7707,
26.5242

■ 9.1612, 8.6535,
2.3829

■ 66.8997, 66.6136,
39.0936

■ 4.9044, 4.5159,
0.7771

■ 88.2959, 88.3508,
55.1138

■ 2.2255, 1.9661,
0.0000

■ 113.8273,
114.3666, 75.0032

■ 0.7561, 0.5877,
0.0000

■ 143.8594,
145.0455, 99.1805

■ 0.0000, 0.0000,
0.0000

178.7576,

180.7717, 128.0641

218.8871,
221.9298, 162.0725

■ 23.8696, 23.2300,
10.0633

■ 23.8696, 23.2300,
10.0633

■ 22.5174, 21.3206,
7.1622

■ 25.4279, 25.3220,
13.7419

■ 21.3574, 19.5834,
4.9787

■ 27.2018, 27.5994,
18.2494

■ 20.3762, 18.0120,
3.4458

■ 29.2020, 30.0695,
23.6340

■ 19.5572, 16.5977,
2.4835

■ 31.4381, 32.7378,
29.9401

■ 19.0789, 15.7360,
2.0318

■ 33.9187, 35.6096,
37.2089

■ 36.6525, 38.6900,
45.4792

■ 39.6472, 41.9839,
54.7875

■ 42.9104, 45.4958,
65.1685

■ 46.4494, 49.2304,
76.6555

Harmonies

Analogous

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



27.4830, 23.2300, 13.1375



23.8696, 23.2300, 10.0633



20.1449, 23.2300, 10.1674

Triad

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



23.8696, 23.2300, 10.0633



15.8401, 23.2300, 31.4444



27.6953, 23.2300, 42.5436

Complementary

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



23.8696, 23.2300, 10.0633



15.4963, 15.9905, 36.9199

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.



24.1339, 23.2300, 50.8356



23.8696, 23.2300, 10.0633



17.4351, 23.2300, 43.2893

Square

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



23.8696, 23.2300, 10.0633



15.7865, 23.2300, 20.6207



20.3811, 23.2300, 51.1418



29.8553, 23.2300, 30.6238

Rectangle

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



23.8696, 23.2300, 10.0633



18.0983, 23.2300, 11.9827



20.3811, 23.2300, 51.1418



26.6053, 23.2300, 45.9792

Sweetspot

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



23.8702, 23.2311, 10.0638



55.0879, 57.1968, 50.1435



20.7090, 14.1637, 17.4729



12.1952, 12.6353, 10.7597



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.8702, 23.2311, 10.0638



39.9254, 37.5966, 12.0255



28.3454, 33.9043, 11.8880



7.3959, 7.7301, 7.4823



14.8736, 12.3212, 1.5943



0.3580, 0.3499, 0.0487

Inverse Universe

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



15.4963, 15.9905, 36.9199



23.3324, 23.2741, 65.3187



12.6578, 9.5984, 35.8357



6.9365, 7.3320, 8.9527



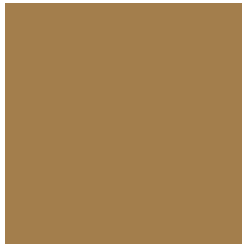
6.8501, 5.4797, 27.6264



0.1903, 0.2080, 0.5960

Previews

White Background



This preview shows how the XYZ color 23.8696, 23.2300, 10.0633 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 23.8696, 23.2300, 10.0633 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 23.8696, 23.2300, 10.0633

Background



This preview shows how black text looks on a background with the XYZ color 23.8696, 23.2300, 10.0633.



This preview shows how white text looks on a background with the XYZ color 23.8696, 23.2300,

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

23.8696, 23.2300, 10.0633

Protanopia

21.4397, 23.3449, 10.5837

Deuteranopia

23.7942, 23.3819, 10.0966



Tritanopia

26.8274, 23.3428, 23.8605

Trichromacy



Original Color

23.8696, 23.2300, 10.0633

Protanomaly

22.2711, 23.1765, 10.3209

Deuteranomaly

23.7942, 23.3819, 10.0966

Tritanomaly

25.4999, 23.1518, 17.8766

Monochromacy



Original Color

23.8696, 23.2300, 10.0633

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.0472, 22.6879, 18.2561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8696, 23.2300, 10.0633 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(163, 126, 76)` looks like.

```
.text, #text, p{  
    color:rgb(163, 126, 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(163, 126, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 126, 76) }
```

Border

The CSS property to change the border of an element to XYZ 23.8696, 23.2300, 10.0633 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(163, 126, 76) }
```


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

```
.border{ border-color:rgb(163, 126, 76) }
```

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

Here you see how a box with a 4 pixel rgb(163, 126, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 126, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 126, 76);  
box-shadow:4px 4px 4px 4px rgb(163, 126,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8696, 23.2300, 10.0633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 126, 76) }
```

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

```
.background{ background-color: rgb(163,  
126, 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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