

Converting Colors

XYZ(23.7084, 21.9748, 12.8850)

Have a look what the booklet for
XYZ(23.7084, 21.9748, 12.8850)
contains.

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Color

**XYZ(23.7091, 21.9748,
12.8895)**

Conversions

Conversions Part 1

Format	Color
Hex	A3785B
RGB	163, 120, 91
RGB Percent	64%, 47%, 36%
CMY	0.3608, 0.5294, 0.6431
CMYK	0.00, 0.26, 0.44, 0.36
HSL	24°, 28%, 50%
HSV	24°, 44%, 64%
XYZ	23.7091, 21.9748, 12.8895
YIQ	129.5510, 34.9370, 0.0970

Conversions

Conversions Part 2

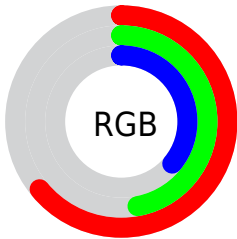
Format	Color
RYB	163, 140, 91
Decimal	10713179
CIELab	54.00, 13.02, 22.49
CIELCh	54, 25.986, 59.926
Yxy	21.9748, 0.4048, 0.3752
Android (android.graphics.Color)	4288903259 (0xFFA3785B)
YUV	129.5510, -19.0056, 29.3348
Hunter-Lab	46.8773, 8.2446, 16.5116

Details

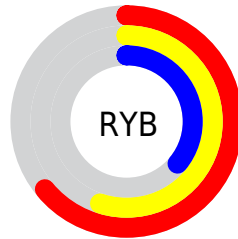
The XYZ color **23.7091, 21.9748, 12.8895** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.4501, 21.9180, 37.8559**, and the grayscale version is **21.1164, 22.2161, 24.1933**.

A 20% lighter version of the original color is **48.7737, 46.4882, 31.6018**, and **9.0336, 7.9471, 3.5405** is the 20% darker color. If you saturate the color by 10%, you get **21.9692, 19.5007, 9.2092**, and if you desaturate by 10%, it is **25.7219, 24.7501, 17.4147**.

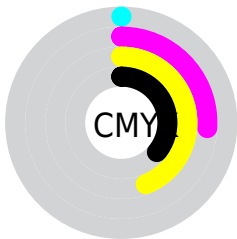
Distribution



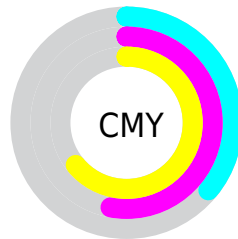
- Red (64%)
- Green (47%)
- Blue (36%)



- Red (64%)
- Yellow (55%)
- Blue (36%)



- Cyan (0%)
- Magenta (26%)
- Yellow (44%)
- Black (36%)



- Cyan (36%)
- Magenta (53%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7091, 21.9748, 12.8895 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 23.7091, 21.9748, 12.8895 by changing the saturation by 10% instead.

■ 23.7091, 21.9748,
12.8895

■ 23.7091, 21.9748,
12.8895

263.8143,
262.4146, 221.3912

■ 15.2415, 13.8384,
7.2227

■ 49.0132, 46.7043,
31.7934

■ 9.0765, 8.0083,
3.5212

■ 66.5805, 64.0663,
45.8675

■ 4.8486, 4.1003,
1.3665

■ 87.9117, 85.2721,
63.5812

■ 2.1926, 1.7298,
0.1154

■ 113.3722,
110.7064, 85.3529

■ 0.7388, 0.4429,
0.0000

143.3274,
140.7533, 111.6012

■ 0.0000, 0.0000,
0.0000

178.1425,

175.7974, 142.7447

218.1831,
216.2231, 179.2018

■ 23.7091, 21.9748,
12.8895

■ 23.7091, 21.9748,
12.8895

■ 21.9692, 19.5007,
9.2092

■ 25.7219, 24.7501,
17.4147

■ 20.4870, 17.3137,
6.3188

■ 28.0183, 27.8340,
22.8326

■ 19.2482, 15.4029,
4.1585


■ 30.6107, 31.2373,
29.1888


■ 18.2360, 13.7553,
2.6596


■ 33.5099, 34.9693,
36.5255

■ 17.4309, 12.3565,
1.7392


■ 36.7263, 39.0392,
44.8823

 17.0327, 11.6434,
1.3497

 40.2697, 43.4554,
54.2964

 44.1495, 48.2263,
64.8034

 48.3747, 53.3599,
76.4372

 52.9539, 58.8638,
89.2300

Harmonies

Analogous

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



25.9212, 21.9748, 17.0151



23.7091, 21.9748, 12.8895



20.8934, 21.9748, 11.5605

Triad

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



23.7091, 21.9748, 12.8895



15.9413, 21.9748, 23.9068



23.6959, 21.9748, 39.9764

Complementary

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



23.7091, 21.9748, 12.8895



19.4501, 21.9180, 37.8559

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.



20.8794, 21.9748, 42.9486



23.7091, 21.9748, 12.8895



16.5498, 21.9748, 32.4949

Square

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



23.7091, 21.9748, 12.8895



16.5558, 21.9748, 16.9875



18.2971, 21.9748, 39.9482



25.9131, 21.9748, 32.5375

Rectangle

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



23.7091, 21.9748, 12.8895



19.1007, 21.9748, 12.1396



18.2971, 21.9748, 39.9482



22.7800, 21.9748, 41.5965

Sweetspot

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



23.7096, 21.9759, 12.8899



55.2807, 56.5399, 53.4216



23.1626, 16.9958, 24.6874



12.1818, 12.3944, 11.4151



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.



23.7096, 21.9759, 12.8899



39.3994, 35.0028, 16.6036



28.8476, 32.2519, 14.6026



7.2970, 7.5325, 7.4494



13.2798, 9.1335, 1.0630



0.3247, 0.2832, 0.0376

Inverse Universe

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



19.4501, 21.9180, 37.8559



30.7578, 34.8565, 67.1630



15.3119, 13.6416, 36.4765



7.0356, 7.5302, 8.9857



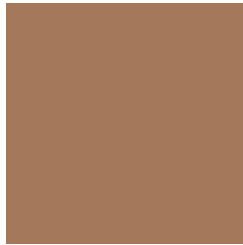
8.5298, 8.8391, 28.1863



0.2238, 0.2748, 0.6071

Previews

White Background



This preview shows how the XYZ color 23.7091, 21.9748, 12.8895 looks on a white background.

Color Contrast Check

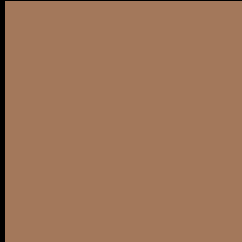
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7091, 21.9748, 12.8895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

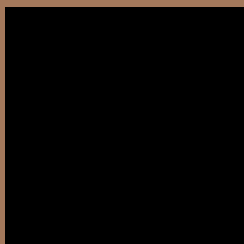
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.7091, 21.9748, 12.8895

Background



This preview shows how black text looks on a background with the XYZ color 23.7091, 21.9748, 12.8895.



This preview shows how white text looks on a background with the XYZ color 23.7091, 21.9748,

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

23.7091, 21.9748, 12.8895

Protanopia

20.5633, 22.0157, 13.9921

Deuteranopia

22.3795, 22.0235, 12.7443



Tritanopia

25.6094, 22.0530, 21.9757

Trichromacy



Original Color

23.7091, 21.9748, 12.8895

Protanomaly

21.6940, 22.0258, 13.6977

Deuteranomaly

22.8330, 22.0722, 12.7298

Tritanomaly

24.8030, 21.8918, 18.2475

Monochromacy



Original Color

23.7091, 21.9748, 12.8895

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.7686, 21.9334, 19.6092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7091, 21.9748, 12.8895 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, 120, 91)` looks like.

```
.text, #text, p{  
    color:rgb(163, 120, 91)  
}
```

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, 120, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 120, 91) }
```

Border

The CSS property to change the border of an element to XYZ 23.7091, 21.9748, 12.8895 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, 120, 91) }
```


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

```
.border{ border-color:rgb(163, 120, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 120, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 120, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 120, 91);  
box-shadow:4px 4px 4px 4px rgb(163, 120,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7091, 21.9748, 12.8895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 120, 91) }
```

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

```
.background{ background-color: rgb(163,  
120, 91) }
```

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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