

Converting Colors

XYZ(23.9218, 21.0096, 7.2248)

Have a look what the booklet for
XYZ(23.9218, 21.0096, 7.2248)
contains.

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Color

**XYZ(23.9810, 21.0314,
7.2104)**

Conversions

Conversions Part 1

Format	Color
Hex	AD713D
RGB	173, 113, 61
RGB Percent	68%, 44%, 24%
CMY	0.3216, 0.5568, 0.7608
CMYK	0.00, 0.35, 0.65, 0.32
HSL	28°, 48%, 46%
HSV	28°, 65%, 68%
XYZ	23.9810, 21.0314, 7.2104
YIQ	125.0120, 52.4520, -3.4520

Conversions

Conversions Part 2

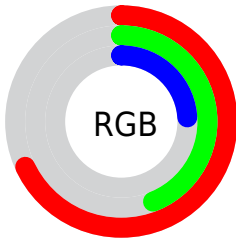
Format	Color
R_{YB}	173, 158, 61
Decimal	11366717
CIE _{Lab}	52.98, 18.60, 38.02
CIE _{LCh}	53, 42.329, 63.931
Yxy	21.0314, 0.4592, 0.4027
Android (android.graphics.Color)	4289556797 (0xFFAD713D)
YUV	125.0120, -31.5579, 42.0855
Hunter-Lab	45.8600, 13.0858, 22.7801

Details

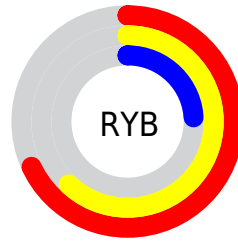
The XYZ color **23.9810, 21.0314, 7.2104** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.3042, 17.6831, 42.0888**, and the grayscale version is **19.5881, 20.6082, 22.4423**.

A 20% lighter version of the original color is **49.5483, 45.1919, 20.8633**, and **9.1654, 7.5227, 1.3497** is the 20% darker color. If you saturate the color by 10%, you get **22.6065, 18.9117, 4.8124**, and if you desaturate by 10%, it is **25.6124, 23.4245, 10.4360**.

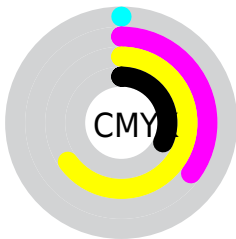
Distribution



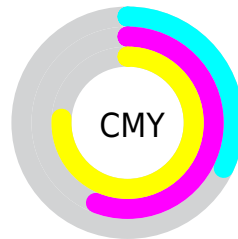
- Red (68%)
- Green (44%)
- Blue (24%)



- Red (68%)
- Yellow (62%)
- Blue (24%)



- Cyan (0%)
- Magenta (35%)
- Yellow (65%)
- Black (32%)





- Cyan (32%)
- Magenta (56%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9810, 21.0314, 7.2104 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 23.9810, 21.0314, 7.2104 by changing the saturation by 10% instead.


 23.9810, 21.0314,
7.2104


 23.9810, 21.0314,
7.2104


265.1667,
257.4453, 179.0974


 15.4442, 13.1470,
3.5136


 49.4541, 45.1398,
20.9153


 9.2201, 7.5298,
1.3625


 67.1211, 62.1325,
31.7604

 4.9433, 3.7956,
0.1122

 88.5622, 82.9301,
45.8255

 2.2484, 1.5599,
0.0000

 114.1427,
107.9170, 63.5289

 0.7681, 0.3303,
0.0000

 144.2281,
137.4776, 85.2892

 0.0000, 0.0000,
0.0000

 179.1836,

171.9963, 111.5251

219.3747,
211.8574, 142.6550

■ 23.9810, 21.0314,
7.2104

■ 23.9810, 21.0314,
7.2104

■ 22.6065, 18.9117,
4.8124

■ 25.6124, 23.4245,
10.4360

■ 21.4691, 17.0499,
3.1604

■ 27.5154, 26.0992,
14.5578

■ 20.5479, 15.4332,
2.1573

■ 29.7049, 29.0669,
19.6385

■ 20.1262, 14.6696,
1.7708

■ 32.1944, 32.3375,
25.7349

■ 34.9962, 35.9202,
32.8992

■ 38.1220, 39.8238,
41.1800

■ 41.5830, 44.0569,
50.6230

■ 45.3894, 48.6274,
61.2711

■ 49.5514, 53.5432,
73.1652

Harmonies

Analogous

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



27.9426, 21.0314, 11.7839



23.9810, 21.0314, 7.2104



19.4102, 21.0314, 6.1432

Triad

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



23.9810, 21.0314, 7.2104



12.6251, 21.0314, 24.6168



25.1437, 21.0314, 49.7655

Complementary

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



23.9810, 21.0314, 7.2104



16.3042, 17.6831, 42.0888

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.



20.5806, 21.0314, 56.9770



23.9810, 21.0314, 7.2104



13.7101, 21.0314, 39.4376

Square

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



23.9810, 21.0314, 7.2104



13.2600, 21.0314, 13.7479



16.4678, 21.0314, 52.6306



28.6806, 21.0314, 35.4122

Rectangle

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



23.9810, 21.0314, 7.2104



16.7230, 21.0314, 7.0333



16.4678, 21.0314, 52.6306



23.6564, 21.0314, 53.3052

Sweetspot

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



23.9815, 21.0325, 7.2108



60.3014, 61.3142, 52.7848



22.4525, 13.6419, 20.0578



12.8062, 12.9421, 10.7107



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.9815, 21.0325, 7.2108



39.4948, 32.2721, 7.0942



31.9679, 37.0052, 9.8729



8.3002, 8.6053, 8.4369



14.8419, 10.8893, 1.3196



0.4680, 0.4131, 0.0551

Inverse Universe

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



16.3042, 17.6831, 42.0888



24.6351, 25.7492, 74.4775



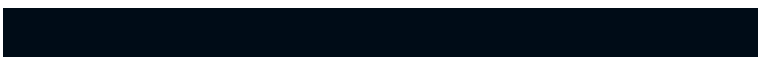
11.4509, 7.9763, 40.4710



7.9208, 8.4410, 10.1645



8.4536, 8.0410, 30.1510



0.2892, 0.3318, 0.8568

Previews

White Background



This preview shows how the XYZ color 23.9810, 21.0314, 7.2104 looks on a white background.

Color Contrast Check

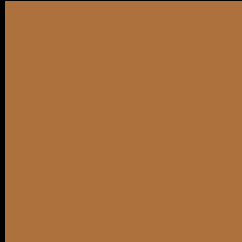
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9810, 21.0314, 7.2104 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 23.9810, 21.0314, 7.2104

Background



This preview shows how black text looks on a background with the XYZ color 23.9810, 21.0314, 7.2104.



This preview shows how white text looks on a background with the XYZ color 23.9810, 21.0314,

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

23.9810, 21.0314, 7.2104

Protanopia

19.3880, 21.1475, 8.2143

Deuteranopia

21.5314, 21.1586, 7.0869



Tritanopia

26.4837, 21.1003, 18.8966

Trichromacy



Original Color

23.9810, 21.0314, 7.2104

Protanomaly

20.8338, 20.9646, 7.7990

Deuteranomaly

22.3983, 21.0696, 7.1613

Tritanomaly

25.4387, 20.9936, 13.5379

Monochromacy



Original Color

23.9810, 21.0314, 7.2104

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.3910, 20.3848, 15.4303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9810, 21.0314, 7.2104 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(173, 113, 61)` looks like.

```
.text, #text, p{  
    color:rgb(173, 113, 61)  
}
```

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(173, 113, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 113, 61) }
```

Border

The CSS property to change the border of an element to XYZ 23.9810, 21.0314, 7.2104 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(173, 113, 61) }
```


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

```
.border{ border-color:rgb(173, 113, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 113, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 113, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 113, 61);  
box-shadow:4px 4px 4px 4px rgb(173, 113,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9810, 21.0314, 7.2104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 113, 61) }
```

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

```
.background{ background-color: rgb(173,  
113, 61) }
```

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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