

Converting Colors

XYZ(23.5881, 21.4618, 2.8993)

Have a look what the booklet for
XYZ(23.5881, 21.4618, 2.8993)
contains.

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Color

**XYZ(23.4790, 21.3750,
2.8883)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | AD7400 |
| RGB | 173, 116, 0 |
| RGB Percent | 68%, 45%, 0% |
| CMY | 0.3216, 0.5451, 1.0000 |
| CMYK | 0.00, 0.33, 1.00, 0.32 |
| HSL | 40°, 100%, 34% |
| HSV | 40°, 100%, 68% |
| XYZ | 23.4790, 21.3750, 2.8883 |
| YIQ | 119.8190, 71.2080, -23.9920 |

Conversions

Conversions Part 2

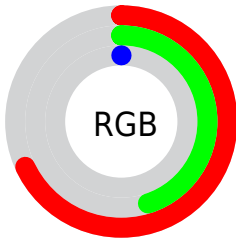
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 85, 173, 0 |
| Decimal | 11367424 |
| CIELab | 53.36, 14.77, 59.93 |
| CIELCh | 53, 61.728, 76.155 |
| Yxy | 21.3750, 0.4918, 0.4477 |
| Android (android.graphics.Color) | 4289557504 (0xFFAD7400) |
| YUV | 119.8190, -59.0708, 46.6397 |
| Hunter-Lab | 46.2331, 9.7414, 28.6592 |

Details

The XYZ color **23.4790, 21.3750, 2.8883** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.0061, 5.9436, 40.2075**, and the grayscale version is **17.9624, 18.8978, 20.5797**.

A 20% lighter version of the original color is **48.5903, 45.7222, 11.4185**, and **9.1374, 7.7791, 1.0199** is the 20% darker color. If you saturate the color by 10%, you get **23.4792, 21.3755, 2.8884**, and if you desaturate by 10%, it is **24.2604, 22.7722, 3.6598**.

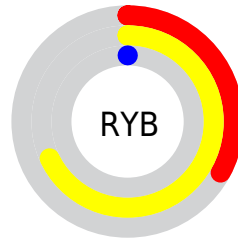
Distribution



Red (68%)

Green (45%)

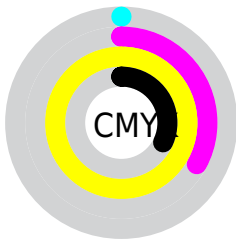
Blue (0%)



Red (33%)

Yellow (68%)

Blue (0%)

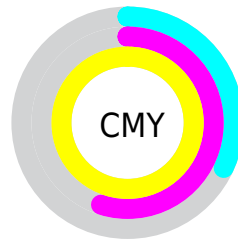


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (32%)



Cyan (32%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4790, 21.3750, 2.8883 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 23.4790, 21.3750, 2.8883 by changing the saturation by 10% instead.

■ 23.4790, 21.3750,
2.8883

■ 23.4790, 21.3750,
2.8883

262.6654,
259.2647, 134.9250

■ 15.0702, 13.3984,
1.0379

■ 48.6395, 45.7108,
11.3515

■ 8.9553, 7.7034,
0.0000

■ 66.1220, 62.8388,
18.8015

■ 4.7689, 3.9058,
0.0000

■ 87.3598, 83.7860,
28.9549

■ 2.1457, 1.6210,
0.0000

■ 112.7182,
108.9369, 42.2306


■ 0.7139, 0.3717,
0.0000


■ 142.5626,
138.6758, 59.0468


■ 0.0000, 0.0000,
0.0000


■ 177.2584,


173.3872, 79.8223


 217.1709,
213.4554, 104.9755


 23.4790, 21.3750,
2.8883


 23.4790, 21.3750,
2.8883


 23.4792, 21.3755,
2.8884

 24.2604, 22.7722,
3.6598

 25.1727, 24.2866,
4.9207

 26.2530, 25.9348,
6.8601

 27.5183, 27.7249,
9.5650

 28.9834, 29.6636,
13.1096

■ 30.6612, 31.7573,
17.5591

■ 32.5634, 34.0116,
22.9721

■ 34.7009, 36.4318,
29.4025

■ 37.0836, 39.0229,
36.9001

Harmonies

Analogous

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



30.3401, 21.3750, 5.7563



23.4790, 21.3750, 2.8883



17.0121, 21.3750, 2.9829

Triad

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



23.4790, 21.3750, 2.8883



10.4674, 21.3750, 34.8111



30.8113, 21.3750, 58.2315

Complementary

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



23.4790, 21.3750, 2.8883



9.0061, 5.9436, 40.2075

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.



24.0228, 21.3750, 77.8932



23.4790, 21.3750, 2.8883



12.7862, 21.3750, 60.1457

Square

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



23.4790, 21.3750, 2.8883



10.3832, 21.3750, 15.6706



17.4512, 21.3750, 78.7377



35.1487, 21.3750, 33.0075

Rectangle

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



23.4790, 21.3750, 2.8883



13.7594, 21.3750, 4.6168



17.4512, 21.3750, 78.7377



28.6821, 21.3750, 66.1886

Sweetspot

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



23.4795, 21.3761, 2.8887



58.1295, 60.6929, 40.5853



17.9889, 9.1865, 4.7843



12.3227, 12.8265, 7.9244



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.



23.4795, 21.3761, 2.8887



41.8458, 37.8737, 5.1048



26.4744, 35.8314, 5.5210



8.4369, 8.8787, 8.4825



17.3029, 15.8113, 2.1399



0.5286, 0.5343, 0.0753

Inverse Universe

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



9.0061, 5.9436, 40.2075



15.9531, 10.2920, 71.9515



8.0450, 3.2761, 39.7433



7.7864, 8.1722, 10.1197



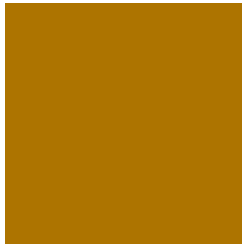
6.6635, 4.4610, 29.5544



0.2362, 0.2258, 0.8391

Previews

White Background



This preview shows how the XYZ color 23.4790, 21.3750, 2.8883 looks on a white background.

Color Contrast Check

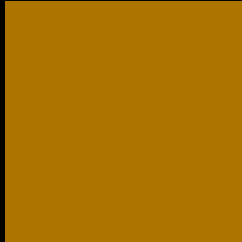
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4790, 21.3750, 2.8883 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 23.4790, 21.3750, 2.8883

Background



This preview shows how black text looks on a background with the XYZ color 23.4790, 21.3750, 2.8883.



This preview shows how white text looks on a background with the XYZ color 23.4790, 21.3750,

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

23.4790, 21.3750, 2.8883

Protanopia

19.2871, 21.3942, 3.4608

Deuteranopia

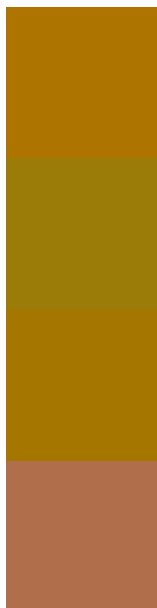
21.7377, 21.3561, 2.9764



Tritanopia

26.8750, 21.4511, 19.2470

Trichromacy



Original Color

23.4790, 21.3750, 2.8883

Protanomaly

20.7690, 21.4014, 3.2660

Deuteranomaly

22.3227, 21.3006, 2.9349

Tritanomaly

24.8250, 21.0934, 9.2416

Monochromacy



Original Color

23.4790, 21.3750, 2.8883

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.5488, 19.2044, 9.5667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4790, 21.3750, 2.8883 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, 116, 0)` looks like.

```
.text, #text, p{  
    color:rgb(173, 116, 0)  
}
```

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, 116, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 116, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.4790, 21.3750, 2.8883 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, 116, 0) }
```


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

```
.border{ border-color:rgb(173, 116, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 116, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 116, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 116, 0);  
box-shadow:4px 4px 4px 4px rgb(173, 116,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4790, 21.3750, 2.8883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 116, 0) }
```

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

```
.background{ background-color: rgb(173,  
116, 0) }
```

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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