

Converting Colors

XYZ(23.0377, 21.1470, 2.8677)

Have a look what the booklet for
XYZ(23.0377, 21.1470, 2.8677)
contains.

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Color

**XYZ(23.0400, 21.1487,
2.8678)**

Conversions

Conversions Part 1

Format	Color
Hex	AB7400
RGB	171, 116, 0
RGB Percent	67%, 45%, 0%
CMY	0.3294, 0.5451, 1.0000
CMYK	0.00, 0.32, 1.00, 0.33
HSL	41°, 100%, 34%
HSV	41°, 100%, 67%
XYZ	23.0400, 21.1487, 2.8678
YIQ	119.2210, 70.0160, -24.4160

Conversions

Conversions Part 2

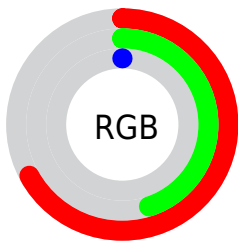
Format	Color
RYB	81, 171, 0
Decimal	11236352
CIELab	53.11, 13.86, 59.65
CIELCh	53, 61.242, 76.917
Yxy	21.1487, 0.4896, 0.4494
Android (android.graphics.Color)	4289426432 (0xFFAB7400)
YUV	119.2210, -58.7760, 45.4102
Hunter-Lab	45.9877, 8.9506, 28.4941

Details

The XYZ color **23.0400, 21.1487, 2.8678** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.7171, 5.6730, 39.1634**, and the grayscale version is **17.7705, 18.6960, 20.3599**.

A 20% lighter version of the original color is **47.9118, 45.3758, 11.2342**, and **8.8772, 7.6450, 1.0077** is the 20% darker color. If you saturate the color by 10%, you get **23.0401, 21.1491, 2.8678**, and if you desaturate by 10%, it is **23.7954, 22.4964, 3.6229**.

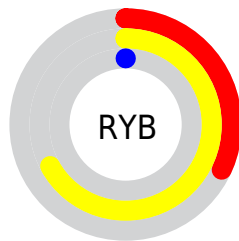
Distribution



Red (67%)

Green (45%)

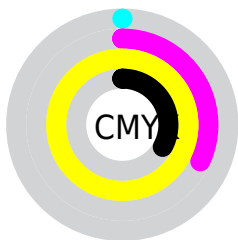
Blue (0%)



Red (32%)

Yellow (67%)

Blue (0%)

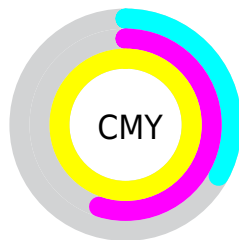


Cyan (0%)

Magenta (32%)

Yellow (100%)

Black (33%)



Cyan (33%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0400, 21.1487, 2.8678 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 23.0400, 21.1487, 2.8678 by changing the saturation by 10% instead.

■ 23.0400, 21.1487,
2.8678

■ 23.0400, 21.1487,
2.8678

260.4619,
258.0677, 134.6586

■ 14.7439, 13.2327,
1.0275

■ 47.9252, 45.3349,
11.3004

■ 8.7250, 7.5890,
0.0000

■ 65.2450, 62.3739,
18.7299

■ 4.6179, 3.8331,
0.0000

■ 86.3034, 83.2227,
28.8595

■ 2.0573, 1.5806,
0.0000

■ 111.4657,
108.2657, 42.1078

■ 0.6658, 0.3445,
0.0000

■ 141.0974,
137.8873, 58.8933

■ 0.0000, 0.0000,
0.0000

■ 175.5637,

172.4719, 79.6346

■ 215.2301,
212.4039, 104.7502

■ 23.0400, 21.1487,
2.8678

■ 23.0400, 21.1487,
2.8678

■ 23.0401, 21.1491,
2.8678

■ 23.7954, 22.4964,
3.6229

■ 24.6762, 23.9544,
4.8523

■ 25.7186, 25.5392,
6.7418

■ 26.9394, 27.2583,
9.3759

■ 28.3527, 29.1183,
12.8266

■ 29.9710, 31.1252,
17.1572

■ 31.8058, 33.2845,
22.4248

■ 33.8674, 35.6011,
28.6815

■ 36.1655, 38.0798,
35.9757

Harmonies

Analogous

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



29.8140, 21.1487, 5.6117



23.0400, 21.1487, 2.8678



16.7052, 21.1487, 3.0239

Triad

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



23.0400, 21.1487, 2.8678



10.4203, 21.1487, 34.9813



30.5835, 21.1487, 56.7891

Complementary

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



23.0400, 21.1487, 2.8678



8.7171, 5.6730, 39.1634

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.



23.9289, 21.1487, 76.4364



23.0400, 21.1487, 2.8678



12.7666, 21.1487, 59.9115

Square

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



23.0400, 21.1487, 2.8678



10.2823, 21.1487, 15.8893



17.4236, 21.1487, 77.8130



34.7563, 21.1487, 32.0353

Rectangle

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



23.0400, 21.1487, 2.8678



13.5363, 21.1487, 4.7075



17.4236, 21.1487, 77.8130



28.5053, 21.1487, 64.6755

Sweetspot

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



23.0405, 21.1498, 2.8682



56.7768, 59.3971, 39.6127



17.5332, 8.9535, 4.6757



12.3527, 12.8866, 7.9344



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.



23.0405, 21.1498, 2.8682



41.0642, 37.4778, 5.0696



25.8044, 34.9209, 5.3806



8.4422, 8.8892, 8.4842



17.4181, 16.0417, 2.1783



0.5312, 0.5395, 0.0761

Inverse Universe

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



8.7171, 5.6730, 39.1634



15.4404, 9.8173, 70.0830



7.8436, 3.1945, 38.7310



7.7814, 8.1621, 10.1180



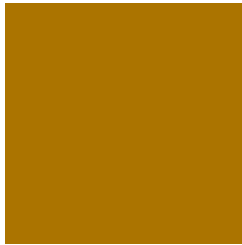
6.6142, 4.3623, 29.5379



0.2343, 0.2219, 0.8385

Previews

White Background



This preview shows how the XYZ color 23.0400, 21.1487, 2.8678 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 23.0400, 21.1487, 2.8678 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 23.0400, 21.1487, 2.8678

Background



This preview shows how black text looks on a background with the XYZ color 23.0400, 21.1487, 2.8678.



This preview shows how white text looks on a background with the XYZ color 23.0400, 21.1487,

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

23.0400, 21.1487, 2.8678

Protanopia

19.2812, 21.3918, 3.4294

Deuteranopia

21.5353, 21.2518, 2.9670



Tritanopia

26.4194, 21.2162, 19.2257

Trichromacy



Original Color

23.0400, 21.1487, 2.8678

Protanomaly

20.5724, 21.3007, 3.2282

Deuteranomaly

22.1139, 21.1930, 2.9251

Tritanomaly

24.3760, 20.8620, 9.2206

Monochromacy



Original Color

23.0400, 21.1487, 2.8678

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.2642, 18.8819, 9.5194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0400, 21.1487, 2.8678 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(171, 116, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 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(171, 116, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 116, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.0400, 21.1487, 2.8678 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(171, 116, 0) }
```


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

```
.border{ border-color:rgb(171, 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(171, 116, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 116, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 116, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 116,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0400, 21.1487, 2.8678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 116, 0) }
```

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

```
.background{ background-color: rgb(171,  
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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