

Converting Colors

XYZ(23.7535, 21.7465, 3.0955)

Have a look what the booklet for
XYZ(23.7535, 21.7465, 3.0955)
contains.

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Color

**XYZ(23.6223, 21.6178,
3.0712)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | AD7505 |
| RGB | 173, 117, 5 |
| RGB Percent | 68%, 46%, 2% |
| CMY | 0.3216, 0.5412, 0.9804 |
| CMYK | 0.00, 0.32, 0.97, 0.32 |
| HSL | 40°, 94%, 35% |
| HSV | 40°, 97%, 68% |
| XYZ | 23.6223, 21.6178, 3.0712 |
| YIQ | 120.9760, 69.3280, -22.9600 |

Conversions

Conversions Part 2

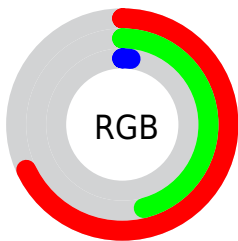
| Format | Color |
|-------------------------------------|--|
| RYB | 89, 173, 5 |
| Decimal | 11367685 |
| CIELab | 53.62, 14.28, 59.15 |
| CIELCh | 54, 60.852, 76.427 |
| Yxy | 21.6178, 0.4890, 0.4475 |
| Android (android.graphics.Color) | 4289557765 (0xFFAD7505) |
| YUV | 120.9760, -57.1762, 45.6250 |
| Hunter-Lab | 46.4949, 9.3229, 28.6301 |

Details

The XYZ color **23.6223, 21.6178, 3.0712** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.2743, 6.3871, 40.2789**, and the grayscale version is **18.3303, 19.2849, 21.0013**.

A 20% lighter version of the original color is **48.8356, 46.1169, 11.7964**, and **9.1984, 7.9011, 1.0403** is the 20% darker color. If you saturate the color by 10%, you get **23.4026, 21.2224, 2.8629**, and if you desaturate by 10%, it is **24.4359, 23.0526, 3.9364**.

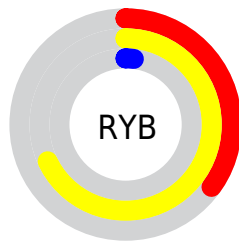
Distribution



Red (68%)

Green (46%)

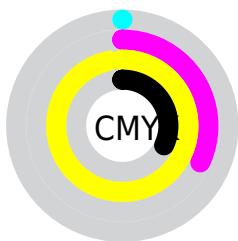
Blue (2%)



Red (35%)

Yellow (68%)

Blue (2%)

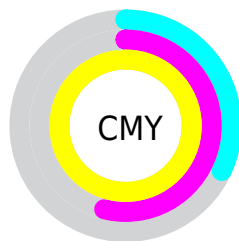


Cyan (0%)

Magenta (32%)

Yellow (97%)

Black (32%)



Cyan (32%)


Magenta (54%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6223, 21.6178, 3.0712 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 23.6223, 21.6178, 3.0712 by changing the saturation by 10% instead.


 23.6223, 21.6178,
3.0712


 23.6223, 21.6178,
3.0712


263.3814,
260.5438, 137.2623


 15.1769, 13.5763,
1.1311


 48.8723, 46.1135,
11.8036


 9.0308, 7.8266,
0.0000


 66.4076, 63.3365,
19.4330

 4.8185, 3.9842,
0.0000

 87.7037, 84.3888,
29.7960

 2.1748, 1.6647,
0.0000

 113.1257,
109.6548, 43.3110

 0.7294, 0.4007,
0.0000

 143.0391,
139.5189, 60.3966

 0.0000, 0.0000,
0.0000

 177.8093,

174.3655, 81.4713

■ 217.8016,
214.5790, 106.9537

■ 23.6223, 21.6178,
3.0712

■ 23.6223, 21.6178,
3.0712

■ 23.4026, 21.2224,
2.8629

■ 24.4359, 23.0526,
3.9364

■ 25.3993, 24.6137,
5.3849

■ 26.5369, 26.3130,
7.5391

■ 27.8649, 28.1582,
10.4817

■ 29.3975, 30.1558,
14.2839

■ 31.1473, 32.3120,
19.0088

■ 33.1259, 34.6325,
24.7137

■ 35.3436, 37.1224,
31.4511

■ 37.8105, 39.7866,
39.2697

Harmonies

Analogous

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



30.4232, 21.6178, 5.9619



23.6223, 21.6178, 3.0712



17.2110, 21.6178, 3.1915

Triad

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



23.6223, 21.6178, 3.0712



10.7384, 21.6178, 35.1827



30.9989, 21.6178, 57.8396

Complementary

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



23.6223, 21.6178, 3.0712



9.2743, 6.3871, 40.2789

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.



24.2886, 21.6178, 77.2786



23.6223, 21.6178, 3.0712



13.0794, 21.6178, 60.1666

Square

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



23.6223, 21.6178, 3.0712



10.6341, 21.6178, 16.0969



17.7510, 21.6178, 78.3027



35.2503, 21.6178, 32.9783

Rectangle

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



23.6223, 21.6178, 3.0712



13.9825, 21.6178, 4.8860



17.7510, 21.6178, 78.3027



28.8991, 21.6178, 65.6886

Sweetspot

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



23.6228, 21.6189, 3.0716



58.4381, 61.0004, 41.6427



18.1303, 9.3299, 5.2608



12.3802, 12.8827, 8.1253



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.



23.6228, 21.6189, 3.0716



41.7078, 37.5977, 5.0589



26.6481, 35.9177, 5.6721



8.4344, 8.8735, 8.4816



17.2469, 15.6993, 2.1213



0.5273, 0.5318, 0.0748

Inverse Universe

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



9.2743, 6.3871, 40.2789



16.0111, 10.4081, 71.9709



8.2245, 3.4492, 39.7672



7.7889, 8.1771, 10.1205



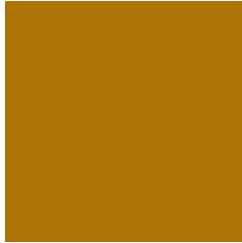
6.6883, 4.5104, 29.5626



0.2372, 0.2277, 0.8394

Previews

White Background



This preview shows how the XYZ color 23.6223, 21.6178, 3.0712 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 23.6223, 21.6178, 3.0712 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 23.6223, 21.6178, 3.0712

Background



This preview shows how black text looks on a background with the XYZ color 23.6223, 21.6178, 3.0712.



This preview shows how white text looks on a background with the XYZ color 23.6223, 21.6178,

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

23.6223, 21.6178, 3.0712

Protanopia

19.5937, 21.7468, 3.5127

Deuteranopia

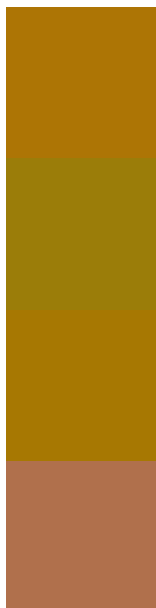
22.0638, 21.7056, 3.0267



Tritanopia

27.0396, 21.6866, 19.5904

Trichromacy



Original Color

23.6223, 21.6178, 3.0712

Protanomaly

20.9005, 21.6555, 3.3368

Deuteranomaly

22.6638, 21.6528, 3.0423

Tritanomaly

25.0032, 21.3403, 9.6387

Monochromacy



Original Color

23.6223, 21.6178, 3.0712

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.9430, 19.5729, 10.1767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6223, 21.6178, 3.0712 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, 117, 5)` looks like.

```
.text, #text, p{  
    color:rgb(173, 117, 5)  
}
```

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, 117, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 117, 5) }
```

Border

The CSS property to change the border of an element to XYZ 23.6223, 21.6178, 3.0712 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, 117, 5) }
```


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

```
.border{ border-color:rgb(173, 117, 5) }
```

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

Here you see how a box with a 4 pixel rgb(173, 117, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 117, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 117, 5);  
box-shadow:4px 4px 4px 4px rgb(173, 117,  
5) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6223, 21.6178, 3.0712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 117, 5) }
```

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

```
.background{ background-color: rgb(173,  
117, 5) }
```

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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