

Converting Colors

XYZ(23.4946, 22.9348, 7.0820)

Have a look what the booklet for
XYZ(23.4946, 22.9348, 7.0820)
contains.

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Color

**XYZ(23.3820, 22.8552,
7.0500)**

Conversions

Conversions Part 1

Format	Color
Hex	A47D39
RGB	164, 125, 57
RGB Percent	64%, 49%, 22%
CMY	0.3569, 0.5098, 0.7765
CMYK	0.00, 0.24, 0.65, 0.36
HSL	38°, 48%, 43%
HSV	38°, 65%, 64%
XYZ	23.3820, 22.8552, 7.0500
YIQ	128.9090, 45.0720, -12.8800

Conversions

Conversions Part 2

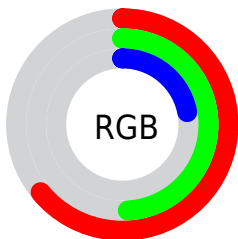
Format	Color
R_{YB}	118, 164, 57
Decimal	10779961
CIE _{Lab}	54.92, 7.59, 41.97
CIE _{LCh}	55, 42.651, 79.748
Yxy	22.8552, 0.4388, 0.4289
Android (android.graphics.Color)	4288970041 (0xFFA47D39)
YUV	128.9090, -35.4511, 30.7748
Hunter-Lab	47.8071, 3.6402, 24.7216

Details

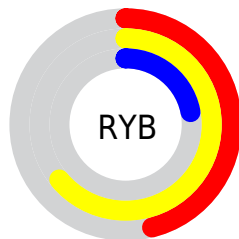
The XYZ color **23.3820, 22.8552, 7.0500** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.5708, 11.9154, 36.7591**, and the grayscale version is **20.9441, 22.0348, 23.9959**.

A 20% lighter version of the original color is **48.5002, 48.0354, 20.6254**, and **8.9185, 8.4311, 1.3009** is the 20% darker color. If you saturate the color by 10%, you get **22.3032, 21.2501, 4.9877**, and if you desaturate by 10%, it is **24.6396, 24.6065, 9.8243**.

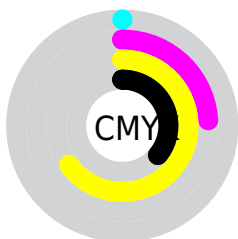
Distribution



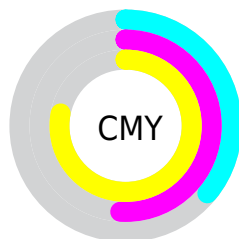
- Red (64%)
- Green (49%)
- Blue (22%)



- Red (46%)
- Yellow (64%)
- Blue (22%)



- Cyan (0%)
- Magenta (24%)
- Yellow (65%)
- Black (36%)



- Cyan (36%)
- Magenta (51%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3820, 22.8552, 7.0500 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 23.3820, 22.8552, 7.0500 by changing the saturation by 10% instead.

■ 23.3820, 22.8552,
7.0500

■ 23.3820, 22.8552,
7.0500

262.1798,
266.9804, 177.7252

■ 14.9981, 14.4866,
3.4145

■ 48.4819, 48.1555,
20.5883

■ 8.9043, 8.4599,
1.3100

■ 65.9285, 65.8559,
31.3282

■ 4.7354, 4.3906,
0.0699

■ 87.1268, 87.4358,
45.2732

■ 2.1260, 1.8944,
0.0000

■ 112.4420,
113.2795, 62.8420

■ 0.7033, 0.5450,
0.0000

■ 142.2396,
143.7714, 84.4530

■ 0.0000, 0.0000,
0.0000

■ 176.8849,

179.2960, 110.5249

216.7432,
220.2375, 141.4761

■ 23.3820, 22.8552,
7.0500

■ 23.3820, 22.8552,
7.0500

■ 22.3032, 21.2501,
4.9877

■ 24.6396, 24.6065,
9.8243

■ 21.3875, 19.7809,
3.5660

■ 26.0866, 26.5068,
13.3701

■ 20.6179, 18.4404,
2.6967

■ 27.7345, 28.5628,
17.7421

■ 20.2833, 17.8396,
2.3743

■ 29.5936, 30.7797,
22.9897

■ 31.6730, 33.1624,
29.1583

■ 33.9814, 35.7155,
36.2902

■ 36.5271, 38.4433,
44.4250

■ 39.3176, 41.3501,
53.6000

■ 42.3605, 44.4398,
63.8508

Harmonies

Analogous

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



28.1438, 22.8552, 9.8327



23.3820, 22.8552, 7.0500



18.7936, 22.8552, 7.5423

Triad

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



23.3820, 22.8552, 7.0500



14.2401, 22.8552, 34.7613



29.4277, 22.8552, 45.7883

Complementary

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



23.3820, 22.8552, 7.0500



12.5708, 11.9154, 36.7591

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.



24.9424, 22.8552, 58.3201



23.3820, 22.8552, 7.0500



16.3618, 22.8552, 50.5192

Square

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



23.3820, 22.8552, 7.0500



13.9481, 22.8552, 20.5325



20.1447, 22.8552, 60.3107



31.9550, 22.8552, 29.8138

Rectangle

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



23.3820, 22.8552, 7.0500



16.4127, 22.8552, 9.7535



20.1447, 22.8552, 60.3107



28.0710, 22.8552, 50.7559

Sweetspot

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



23.3825, 22.8563, 7.0504



55.5036, 57.9374, 46.9659



18.8951, 11.6678, 12.3792



11.9182, 12.4174, 9.6313



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.



23.3825, 22.8563, 7.0504



39.7476, 37.4165, 7.8296



26.5426, 33.3049, 8.9007



7.4313, 7.8010, 7.4942



15.5988, 13.7715, 1.8360



0.3703, 0.3745, 0.0528

Inverse Universe

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



12.5708, 11.9154, 36.7591



18.7052, 16.2007, 65.8935



10.7823, 6.9565, 35.8962



6.9020, 7.2629, 8.9412



6.4097, 4.5988, 27.4796



0.1786, 0.1844, 0.5920

Previews

White Background



This preview shows how the XYZ color 23.3820, 22.8552, 7.0500 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 23.3820, 22.8552, 7.0500 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 23.3820, 22.8552, 7.0500

Background



This preview shows how black text looks on a background with the XYZ color 23.3820, 22.8552, 7.0500.



This preview shows how white text looks on a background with the XYZ color 23.3820, 22.8552,

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

23.3820, 22.8552, 7.0500

Protanopia

20.8947, 22.9293, 7.4622

Deuteranopia

23.1764, 22.7492, 7.0404



Tritanopia

26.6714, 22.9242, 23.0977

Trichromacy



Original Color

23.3820, 22.8552, 7.0500

Protanomaly

21.7508, 22.7783, 7.2532

Deuteranomaly

23.1764, 22.7492, 7.0404

Tritanomaly

25.1720, 22.8495, 15.6541

Monochromacy



Original Color

23.3820, 22.8552, 7.0500

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.3227, 22.1684, 15.9871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3820, 22.8552, 7.0500 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(164, 125, 57)` looks like.

```
.text, #text, p{  
    color:rgb(164, 125, 57)  
}
```

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(164, 125, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 125, 57) }
```

Border

The CSS property to change the border of an element to XYZ 23.3820, 22.8552, 7.0500 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(164, 125, 57) }
```


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

```
.border{ border-color:rgb(164, 125, 57) }
```

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

Here you see how a box with a 4 pixel rgb(164, 125, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 125, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 125, 57);  
box-shadow:4px 4px 4px 4px rgb(164, 125,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3820, 22.8552, 7.0500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 125, 57) }
```

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

```
.background{ background-color: rgb(164,  
125, 57) }
```

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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