

Converting Colors

XYZ(23.2585, 20.7729, 9.6202)

Have a look what the booklet for
XYZ(23.2585, 20.7729, 9.6202)
contains.

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Color

**XYZ(23.2582, 20.7719,
9.6210)**

Conversions

Conversions Part 1

Format	Color
Hex	A7724C
RGB	167, 114, 76
RGB Percent	65%, 45%, 30%
CMY	0.3451, 0.5529, 0.7020
CMYK	0.00, 0.32, 0.54, 0.35
HSL	25°, 37%, 48%
HSV	25°, 54%, 65%
XYZ	23.2582, 20.7719, 9.6210
YIQ	125.5150, 43.7860, -0.5820

Conversions

Conversions Part 2

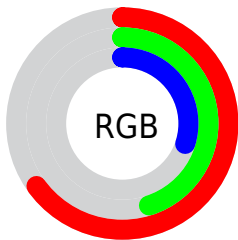
Format	Color
R_{YB}	167, 141, 76
Decimal	10973772
CIE _{Lab}	52.70, 16.62, 29.37
CIE _{LCh}	53, 33.744, 60.487
Yxy	20.7719, 0.4335, 0.3872
Android (android.graphics.Color)	4289163852 (0xFFA7724C)
YUV	125.5150, -24.4109, 36.3823
Hunter-Lab	45.5762, 11.3328, 19.3874

Details

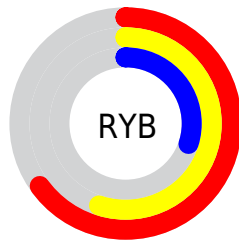
The XYZ color **23.2582, 20.7719, 9.6210** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.8055, 20.0262, 39.4862**, and the grayscale version is **19.7368, 20.7647, 22.6127**.

A 20% lighter version of the original color is **48.4535, 44.7863, 25.8295**, and **8.8646, 7.4349, 2.1962** is the 20% darker color. If you saturate the color by 10%, you get **21.7120, 18.4912, 6.6036**, and if you desaturate by 10%, it is **25.0728, 23.3483, 13.4718**.

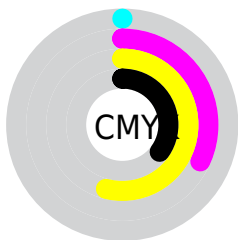
Distribution



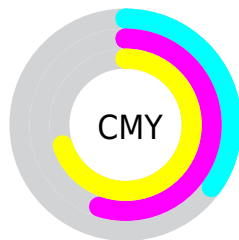
- Red (65%)
- Green (45%)
- Blue (30%)



- Red (65%)
- Yellow (55%)
- Blue (30%)



- Cyan (0%)
- Magenta (32%)
- Yellow (54%)
- Black (35%)





- Cyan (35%)
- Magenta (55%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2582, 20.7719, 9.6210 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 23.2582, 20.7719, 9.6210 by changing the saturation by 10% instead.


 23.2582, 20.7719,
9.6210


 23.2582, 20.7719,
9.6210


261.5590,
256.0638, 198.3308


 14.9060, 12.9574,
5.0461


 48.2805, 44.7076,
25.6767


 8.8393, 7.3992,
2.2151


 65.6813, 61.5976,
37.9946


 4.6928, 3.7130,
0.6831


 86.8290, 82.2815,
53.7306

 2.1011, 1.5143,
0.0000

 112.0891,
107.1437, 73.3033

 0.6898, 0.2988,
0.0000

 141.8267,
136.5686, 97.1310

 0.0000, 0.0000,
0.0000

176.4074,

170.9407, 125.6325

216.1964,
210.6443, 159.2263

■ 23.2582, 20.7719,
9.6210

■ 23.2582, 20.7719,
9.6210

■ 21.7120, 18.4912,
6.6036

■ 25.0728, 23.3483,
13.4718

■ 20.4172, 16.4911,
4.3543

■ 27.1684, 26.2284,
18.2121

■ 19.3566, 14.7595,
2.8002

■ 29.5585, 29.4239,
23.8944

■ 18.5097, 13.2816,
1.8523

■ 32.2553, 32.9447,
30.5666

■ 18.1105, 12.5637,
1.4705

■ 35.2700, 36.8003,
38.2736

■ 38.6136, 40.9998,
47.0573

■ 42.2962, 45.5517,
56.9574

■ 46.3275, 50.4646,
68.0115

■ 50.7169, 55.7465,
80.2554

Harmonies

Analogous

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



26.1493, 20.7719, 14.1592



23.2582, 20.7719, 9.6210



19.6858, 20.7719, 8.2712

Triad

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



23.2582, 20.7719, 9.6210



13.7336, 20.7719, 22.7817



23.3692, 20.7719, 43.6990

Complementary

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



23.2582, 20.7719, 9.6210



17.8055, 20.0262, 39.4862

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.



19.8005, 20.7719, 47.9761



23.2582, 20.7719, 9.6210



14.4792, 20.7719, 33.9099

Square

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



23.2582, 20.7719, 9.6210



14.4326, 20.7719, 14.3685



16.6012, 20.7719, 43.9543



26.2186, 20.7719, 33.5385

Rectangle

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



23.2582, 20.7719, 9.6210



17.4737, 20.7719, 8.9120



16.6012, 20.7719, 43.9543



22.2008, 20.7719, 45.9870

Sweetspot

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



23.2587, 20.7729, 9.6214



56.8567, 57.8236, 52.4583



22.4889, 14.9717, 22.5026



12.5050, 12.6560, 11.1946



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.2587, 20.7729, 9.6214



38.4630, 32.4778, 11.0541



29.7108, 33.6772, 11.7721



7.7789, 8.0379, 7.9307



13.9046, 9.7065, 1.1407



0.3892, 0.3379, 0.0447

Inverse Universe

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



17.8055, 20.0262, 39.4862



27.6733, 30.9514, 69.9909



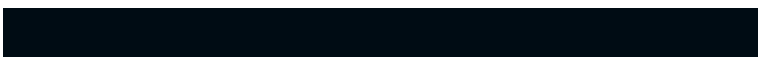
13.0938, 10.6029, 37.9156



7.4810, 7.9990, 9.5680



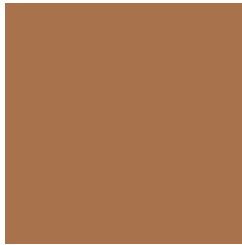
8.6758, 8.8119, 29.2191



0.2599, 0.3120, 0.7272

Previews

White Background



This preview shows how the XYZ color 23.2582, 20.7719, 9.6210 looks on a white background.

Color Contrast Check

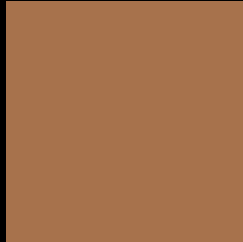
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2582, 20.7719, 9.6210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

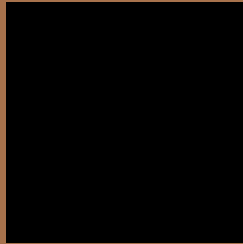
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2582, 20.7719, 9.6210

Background



This preview shows how black text looks on a background with the XYZ color 23.2582, 20.7719, 9.6210.



This preview shows how white text looks on a background with the XYZ color 23.2582, 20.7719,

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

23.2582, 20.7719, 9.6210

Protanopia

19.2626, 20.8342, 10.7907

Deuteranopia

21.1233, 20.7132, 9.5413



Tritanopia

25.2571, 20.7677, 19.5070

Trichromacy



Original Color

23.2582, 20.7719, 9.6210

Protanomaly

20.5836, 20.7795, 10.3231

Deuteranomaly

21.8490, 20.7340, 9.5071

Tritanomaly

24.4449, 20.7632, 15.2897

Monochromacy



Original Color

23.2582, 20.7719, 9.6210

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.6508, 20.6645, 17.0876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2582, 20.7719, 9.6210 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(167, 114, 76)` looks like.

```
.text, #text, p{  
    color:rgb(167, 114, 76)  
}
```

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(167, 114, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 114, 76) }
```

Border

The CSS property to change the border of an element to XYZ 23.2582, 20.7719, 9.6210 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(167, 114, 76) }
```


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

```
.border{ border-color:rgb(167, 114, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 114, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 114, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 114, 76);  
box-shadow:4px 4px 4px 4px rgb(167, 114,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2582, 20.7719, 9.6210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 114, 76) }
```

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

```
.background{ background-color: rgb(167,  
114, 76) }
```

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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