

Converting Colors

XYZ(23.1847, 21.1795, 9.3185)

Have a look what the booklet for
XYZ(23.1847, 21.1795, 9.3185)
contains.

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Color

**XYZ(23.3232, 21.3240,
9.3652)**

Conversions

Conversions Part 1

Format	Color
Hex	A6754A
RGB	166, 117, 74
RGB Percent	65%, 46%, 29%
CMY	0.3490, 0.5412, 0.7098
CMYK	0.00, 0.30, 0.55, 0.35
HSL	28°, 38%, 47%
HSV	28°, 55%, 65%
XYZ	23.3232, 21.3240, 9.3652
YIQ	126.7490, 43.0070, -2.9850

Conversions

Conversions Part 2

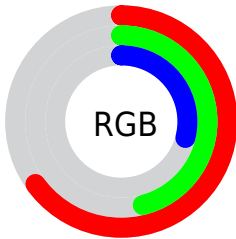
Format	Color
RYB	166, 155, 74
Decimal	10909002
CIELab	53.30, 14.31, 31.20
CIElCh	53, 34.329, 65.357
Yxy	21.3240, 0.4318, 0.3948
Android (android.graphics.Color)	4289099082 (0xFFA6754A)
YUV	126.7490, -26.0053, 34.4231
Hunter-Lab	46.1779, 9.3441, 20.3001

Details

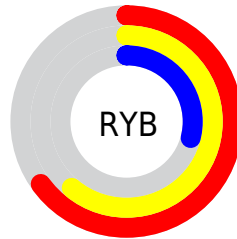
The XYZ color **23.3232, 21.3240, 9.3652** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.7895, 18.3740, 38.7379**, and the grayscale version is **20.1632, 21.2132, 23.1012**.

A 20% lighter version of the original color is **48.2575, 45.5191, 25.3114**, and **8.8933, 7.7196, 2.1199** is the 20% darker color. If you saturate the color by 10%, you get **21.8543, 19.1662, 6.4712**, and if you desaturate by 10%, it is **25.0380, 23.7376, 13.0697**.

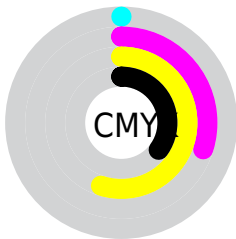
Distribution



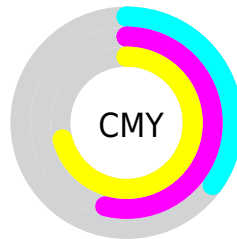
- Red (65%)
- Green (46%)
- Blue (29%)



- Red (65%)
- Yellow (61%)
- Blue (29%)



- Cyan (0%)
- Magenta (30%)
- Yellow (55%)
- Black (35%)





- Cyan (35%)
- Magenta (54%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3232, 21.3240, 9.3652 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 23.3232, 21.3240, 9.3652 by changing the saturation by 10% instead.


 23.3232, 21.3240,
9.3652


 23.3232, 21.3240,
9.3652


261.8851,
258.9954, 196.3967


 14.9543, 13.3610,
4.8801


 48.3862, 45.6261,
25.1833


 8.8735, 7.6776,
2.1196


 65.8111, 62.7341,
37.3534


 4.7152, 3.8894,
0.6274


 86.9854, 83.6592,
52.9223

 2.1142, 1.6119,
0.0000

 112.2744,
108.7858, 72.3084

 0.6969, 0.3656,
0.0000

 142.0436,
138.4984, 95.9304

 0.0000, 0.0000,
0.0000

176.6582,

173.1812, 124.2067

216.4836,
213.2187, 157.5560

■ 23.3232, 21.3240,
9.3652

■ 23.3232, 21.3240,
9.3652

■ 21.8543, 19.1662,
6.4712

■ 25.0380, 23.7376,
13.0697

■ 20.6152, 17.2508,
4.3229

■ 27.0104, 26.4131,
17.6401

■ 19.5898, 15.5678,
2.8476

■ 29.2530, 29.3605,
23.1282

■ 18.7579, 14.1044,
1.9521

■ 31.7769, 32.5880,
29.5815

■ 18.4215, 13.4983,
1.6345

■ 34.5928, 36.1035,
37.0441

■ 37.7106, 39.9148,
45.5575

■ 41.1398, 44.0289,
55.1605

■ 44.8893, 48.4529,
65.8903

■ 48.9678, 53.1935,
77.7822

Harmonies

Analogous

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



26.5175, 21.3240, 13.4563



23.3232, 21.3240, 9.3652



19.6224, 21.3240, 8.4495

Triad

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



23.3232, 21.3240, 9.3652



14.0764, 21.3240, 25.1373



24.5863, 21.3240, 43.6622

Complementary

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



23.3232, 21.3240, 9.3652



16.7895, 18.3740, 38.7379

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.



20.9273, 21.3240, 49.3858



23.3232, 21.3240, 9.3652



15.0864, 21.3240, 36.8308

Square

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



23.3232, 21.3240, 9.3652



14.5569, 21.3240, 15.8337



17.4917, 21.3240, 46.5712



27.3056, 21.3240, 32.6019

Rectangle

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



23.3232, 21.3240, 9.3652



17.4201, 21.3240, 9.4229



17.4917, 21.3240, 46.5712



23.4101, 21.3240, 46.4036

Sweetspot

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



23.3237, 21.3250, 9.3656



56.7643, 57.9947, 51.3303



21.7540, 14.4364, 20.4008



12.5018, 12.7225, 10.9686



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.



23.3237, 21.3250, 9.3656



38.9874, 33.7594, 10.5117



30.0472, 34.7720, 11.6068



7.8094, 8.0988, 7.9409



14.3310, 10.5593, 1.2828



0.4002, 0.3600, 0.0484

Inverse Universe

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



16.7895, 18.3740, 38.7379



25.8558, 27.8094, 69.4803



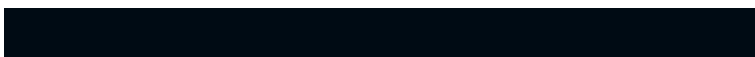
12.3656, 9.5263, 37.2632



7.4501, 7.9372, 9.5577



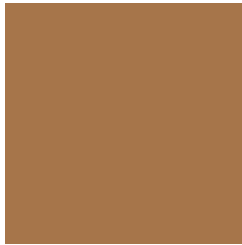
8.1165, 7.6932, 29.0326



0.2480, 0.2882, 0.7232

Previews

White Background



This preview shows how the XYZ color 23.3232, 21.3240, 9.3652 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 23.3232, 21.3240, 9.3652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

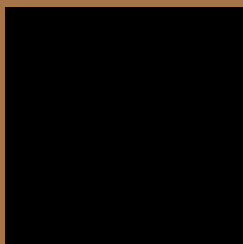
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.3232, 21.3240, 9.3652

Background



This preview shows how black text looks on a background with the XYZ color 23.3232, 21.3240, 9.3652.



This preview shows how white text looks on a background with the XYZ color 23.3232, 21.3240,

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

23.3232, 21.3240, 9.3652

Protanopia

19.7418, 21.4774, 10.3128

Deuteranopia

21.8724, 21.4680, 9.2943



Tritanopia

25.6522, 21.2710, 20.5230

Trichromacy



Original Color

23.3232, 21.3240, 9.3652

Protanomaly

20.9416, 21.3407, 10.0366

Deuteranomaly

22.4163, 21.3876, 9.2501

Tritanomaly

24.7155, 21.2245, 15.6261

Monochromacy



Original Color

23.3232, 21.3240, 9.3652

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.7742, 20.9113, 17.1287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3232, 21.3240, 9.3652 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(166, 117, 74)` looks like.

```
.text, #text, p{  
    color:rgb(166, 117, 74)  
}
```

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(166, 117, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 117, 74) }
```

Border

The CSS property to change the border of an element to XYZ 23.3232, 21.3240, 9.3652 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(166, 117, 74) }
```


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

```
.border{ border-color:rgb(166, 117, 74) }
```

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

Here you see how a box with a 4 pixel rgb(166, 117, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 117, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 117, 74);  
box-shadow:4px 4px 4px 4px rgb(166, 117,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3232, 21.3240, 9.3652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 117, 74) }
```

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

```
.background{ background-color: rgb(166,  
117, 74) }
```

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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