

Converting Colors

XYZ(23.2781, 22.7806, 9.9505)

Have a look what the booklet for
XYZ(23.2781, 22.7806, 9.9505)
contains.

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Color

**XYZ(23.3361, 22.7661,
10.0018)**

Conversions

Conversions Part 1

Format	Color
Hex	A17D4C
RGB	161, 125, 76
RGB Percent	63%, 49%, 30%
CMY	0.3686, 0.5098, 0.7020
CMYK	0.00, 0.22, 0.53, 0.37
HSL	35°, 36%, 46%
HSV	35°, 53%, 63%
XYZ	23.3361, 22.7661, 10.0018
YIQ	130.1780, 37.1850, -7.6070

Conversions

Conversions Part 2

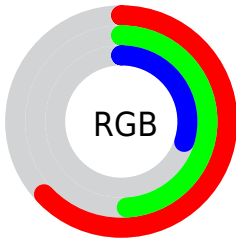
Format	Color
R _Y B	138, 161, 76
Decimal	10583372
CIE Lab	54.83, 7.78, 31.88
CIE LCh	55, 32.817, 76.279
Yxy	22.7661, 0.4159, 0.4058
Android (android.graphics.Color)	4288773452 (0xFFA17D4C)
YUV	130.1780, -26.7098, 27.0309
Hunter-Lab	47.7138, 3.8024, 20.9713

Details

The XYZ color **23.3361, 22.7661, 10.0018** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.2075, 15.6975, 35.9466**, and the grayscale version is **21.3640, 22.4766, 24.4770**.

A 20% lighter version of the original color is **48.5997, 48.2526, 26.4909**, and **8.8822, 8.3884, 2.3793** is the 20% darker color. If you saturate the color by 10%, you get **22.0113, 20.9030, 7.1359**, and if you desaturate by 10%, it is **24.8613, 24.8059, 13.6261**.

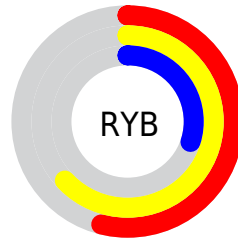
Distribution



Red (63%)

Green (49%)

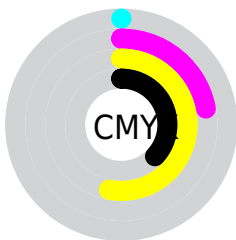
Blue (30%)



Red (54%)

Yellow (63%)

Blue (30%)

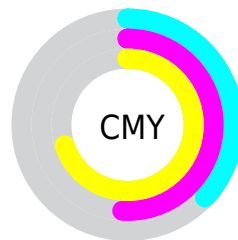


Cyan (0%)

Magenta (22%)

Yellow (53%)

Black (37%)



Cyan (37%)

Magenta (51%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3361, 22.7661, 10.0018 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 23.3361, 22.7661, 10.0018 by changing the saturation by 10% instead.

■ 23.3361, 22.7661,
10.0018

■ 23.3361, 22.7661,
10.0018

261.9498,
266.5214, 201.1702

■ 14.9639, 14.4209,
5.2945

■ 48.4072, 48.0090,
26.4068

■ 8.8802, 8.4140,
2.3593

■ 65.8369, 65.6754,
38.9415

■ 4.7196, 4.3610,
0.7642

■ 87.0164, 87.2178,
54.9225

■ 2.1168, 1.8775,
0.0000

■ 112.3112,
113.0204, 74.7683

■ 0.6983, 0.5348,
0.0000

■ 142.0866,
143.4676, 98.8975

■ 0.0000, 0.0000,
0.0000

176.7079,

178.9440, 127.7285

216.5405,
219.8337, 161.6799

■ 23.3361, 22.7661,
10.0018

■ 23.3361, 22.7661,
10.0018

■ 22.0113, 20.9030,
7.1359

■ 24.8613, 24.8059,
13.6261

■ 20.8735, 19.2068,
4.9705

■ 26.5961, 27.0254,
18.0583

■ 19.9098, 17.6712,
3.4415

■ 28.5507, 29.4312,
23.3448

■ 19.1045, 16.2879,
2.4721

■ 30.7344, 32.0288,
29.5287

■ 18.5964, 15.3740,
1.9873

■ 33.1557, 34.8233,
36.6496

■ 35.8226, 37.8196,
44.7451

■ 38.7429, 41.0224,
53.8504

■ 41.9238, 44.4361,
63.9993

■ 45.3723, 48.0651,
75.2238

Harmonies

Analogous

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



26.8283, 22.7661, 12.9690



23.3361, 22.7661, 10.0018



19.7408, 22.7661, 10.1285

Triad

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



23.3361, 22.7661, 10.0018



15.6078, 22.7661, 30.8230



27.0834, 22.7661, 41.3242

Complementary

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



23.3361, 22.7661, 10.0018



15.2075, 15.6975, 35.9466

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.



23.6541, 22.7661, 49.3449



23.3361, 22.7661, 10.0018



17.1652, 22.7661, 42.2178

Square

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



23.3361, 22.7661, 10.0018



15.5430, 22.7661, 20.3442



20.0253, 22.7661, 49.7113



29.1497, 22.7661, 29.8369

Rectangle

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



23.3361, 22.7661, 10.0018



17.7666, 22.7661, 11.9164



20.0253, 22.7661, 49.7113



26.0356, 22.7661, 44.6402

Sweetspot

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



23.3367, 22.7672, 10.0023



53.6239, 55.6901, 48.8128



20.2538, 13.9347, 17.1960



11.5956, 12.0179, 10.2375



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.3367, 22.7672, 10.0023



39.1179, 36.9960, 12.1685



27.6311, 33.0132, 11.7536



7.3969, 7.7322, 7.4827



14.8934, 12.3607, 1.6009



0.3584, 0.3506, 0.0488

Inverse Universe

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



15.2075, 15.6975, 35.9466



23.0199, 23.0188, 63.6163



12.4684, 9.5213, 34.8988



6.9355, 7.3300, 8.9524



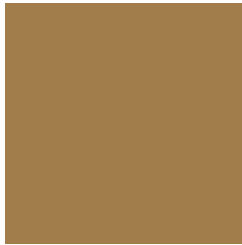
6.8363, 5.4521, 27.6218



0.1900, 0.2073, 0.5958

Previews

White Background



This preview shows how the XYZ color 23.3361, 22.7661, 10.0018 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 23.3361, 22.7661, 10.0018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

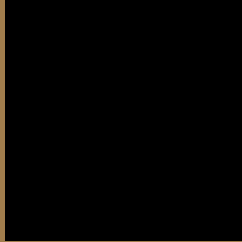
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.3361, 22.7661, 10.0018

Background



This preview shows how black text looks on a background with the XYZ color 23.3361, 22.7661, 10.0018.



This preview shows how white text looks on a background with the XYZ color 23.3361, 22.7661,

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

23.3361, 22.7661, 10.0018

Protanopia

21.1280, 22.9819, 10.5301

Deuteranopia

23.1353, 22.6626, 9.9924



Tritanopia

26.0102, 22.7515, 23.4427

Trichromacy



Original Color

23.3361, 22.7661, 10.0018

Protanomaly

21.7675, 22.7204, 10.2594

Deuteranomaly

23.1353, 22.6626, 9.9924

Tritanomaly

24.9075, 22.6714, 17.5312

Monochromacy



Original Color

23.3361, 22.7661, 10.0018

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.5181, 22.2269, 17.9079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3361, 22.7661, 10.0018 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(161, 125, 76)` looks like.

```
.text, #text, p{  
    color:rgb(161, 125, 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(161, 125, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 125, 76) }
```

Border

The CSS property to change the border of an element to XYZ 23.3361, 22.7661, 10.0018 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(161, 125, 76) }
```


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

```
.border{ border-color:rgb(161, 125, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 125, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 125, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 125, 76);  
box-shadow:4px 4px 4px 4px rgb(161, 125,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3361, 22.7661, 10.0018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 125, 76) }
```

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

```
.background{ background-color: rgb(161,  
125, 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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