

Converting Colors

XYZ(23.2173, 19.4492, 10.3152)

Have a look what the booklet for
XYZ(23.2173, 19.4492, 10.3152)
contains.

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Color

**XYZ(23.2168, 19.4482,
10.3148)**

Conversions

Conversions Part 1

Format	Color
Hex	AA6A51
RGB	170, 106, 81
RGB Percent	67%, 42%, 32%
CMY	0.3333, 0.5843, 0.6823
CMYK	0.00, 0.38, 0.52, 0.33
HSL	17°, 35%, 49%
HSV	17°, 52%, 67%
XYZ	23.2168, 19.4482, 10.3148
YIQ	122.2860, 46.1690, 5.7930

Conversions

Conversions Part 2

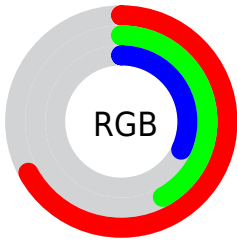
Format	Color
R_{YB}	170, 116, 81
Decimal	11168337
CIE _{Lab}	51.21, 22.87, 24.70
CIE _{LCh}	51, 33.661, 47.211
Yxy	19.4482, 0.4382, 0.3671
Android (android.graphics.Color)	4289358417 (0xFFAA6A51)
YUV	122.2860, -20.3540, 41.8452
Hunter-Lab	44.1001, 16.7973, 17.0024

Details

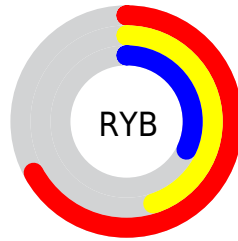
The XYZ color **23.2168, 19.4482, 10.3148** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **20.7739, 24.9012, 41.7416**, and the grayscale version is **18.6466, 19.6177, 21.3636**.

A 20% lighter version of the original color is **48.3185, 42.5864, 27.1461**, and **8.7709, 6.7309, 2.5060** is the 20% darker color. If you saturate the color by 10%, you get **21.4862, 16.8827, 6.9769**, and if you desaturate by 10%, it is **25.2876, 22.4387, 14.5538**.

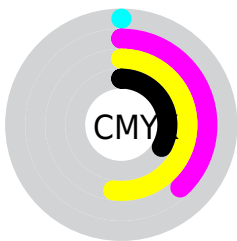
Distribution



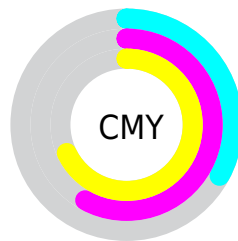
- Red (67%)
- Green (42%)
- Blue (32%)



- Red (67%)
- Yellow (45%)
- Blue (32%)



- Cyan (0%)
- Magenta (38%)
- Yellow (52%)
- Black (33%)



- Cyan (33%)
- Magenta (58%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2168, 19.4482, 10.3148 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 23.2168, 19.4482, 10.3148 by changing the saturation by 10% instead.

■ 23.2168, 19.4482,
10.3148

■ 23.2168, 19.4482,
10.3148

261.3512,
248.9120, 203.4701

■ 14.8752, 11.9946,
5.4999

■ 48.2131, 42.4901,
27.0030

■ 8.8176, 6.7400,
2.4796

■ 65.5986, 58.8472,
39.7133

■ 4.6786, 3.3000,
0.8293

■ 86.7294, 78.9408,
55.8924

■ 2.0927, 1.2903,
0.0000

■ 111.9709,
103.1555, 75.9590

■ 0.6853, 0.1337,
0.0000

■ 141.6885,
131.8755, 100.3315

■ 0.0000, 0.0000,
0.0000

176.2475,

165.4854, 129.4285

216.0133,
204.3694, 163.6685

■ 23.2168, 19.4482,
10.3148

■ 23.2168, 19.4482,
10.3148

■ 21.4862, 16.8827,
6.9769

■ 25.2876, 22.4387,
14.5538

■ 20.0746, 14.7193,
4.4725

■ 27.7150, 25.8698,
19.7526

■ 18.9605, 12.9371,
2.7262

■ 30.5164, 29.7599,
25.9660

■ 18.1187, 11.5121,
1.6479

■ 33.7072, 34.1255,
33.2445

■ 17.6247, 10.6404,
1.1249

■ 37.3020, 38.9822,
41.6351

■ 41.3148, 44.3449,
51.1821

■ 45.7588, 50.2278,
61.9273

■ 50.6464, 56.6447,
73.9104

■ 55.9899, 63.6085,
87.1692

Harmonies

Analogous

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



25.3486, 19.4482, 16.1712



23.2168, 19.4482, 10.3148



19.9484, 19.4482, 7.7960

Triad

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



23.2168, 19.4482, 10.3148



12.8862, 19.4482, 17.3477



20.4579, 19.4482, 44.1479

Complementary

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



23.2168, 19.4482, 10.3148



20.7739, 24.9012, 41.7416

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.



17.0949, 19.4482, 44.7521



23.2168, 19.4482, 10.3148



12.9876, 19.4482, 27.1190

Square

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



23.2168, 19.4482, 10.3148



14.1479, 19.4482, 10.9507



14.4441, 19.4482, 37.8110



23.6284, 19.4482, 36.3485

Rectangle

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



23.2168, 19.4482, 10.3148



17.6878, 19.4482, 7.6369



14.4441, 19.4482, 37.8110



19.3056, 19.4482, 45.2676

Sweetspot

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



23.2173, 19.4492, 10.3152



58.7925, 58.6935, 54.8822



24.7291, 16.5147, 29.1873



12.8536, 12.7368, 11.6518



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.



23.2173, 19.4492, 10.3152



38.4846, 29.8766, 11.7379



28.8471, 30.7089, 12.1918



7.6963, 7.8728, 7.9032



13.0068, 7.9109, 0.8414



0.3589, 0.2774, 0.0346

Inverse Universe

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



20.7739, 24.9012, 41.7416



33.4994, 40.7589, 75.1035



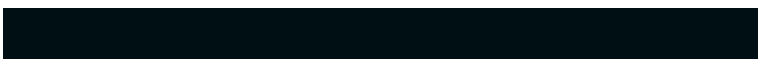
15.3776, 14.1087, 39.9428



7.5668, 8.1705, 9.5966



10.5274, 12.5149, 29.8363



0.2960, 0.3843, 0.7392

Previews

White Background



This preview shows how the XYZ color 23.2168, 19.4482, 10.3148 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 23.2168, 19.4482, 10.3148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

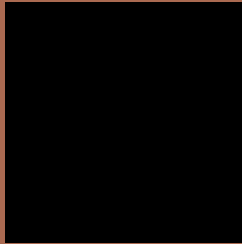
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.2168, 19.4482, 10.3148

Background



This preview shows how black text looks on a background with the XYZ color 23.2168, 19.4482, 10.3148.



This preview shows how white text looks on a background with the XYZ color 23.2168, 19.4482,

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

23.2168, 19.4482, 10.3148

Protanopia

18.2367, 19.5292, 12.0409

Deuteranopia

19.8052, 19.4901, 10.1153



Tritanopia

24.5791, 19.3992, 17.2008

Trichromacy



Original Color

23.2168, 19.4482, 10.3148

Protanomaly

19.7391, 19.2577, 11.2711

Deuteranomaly

20.8707, 19.3580, 10.2259

Tritanomaly

23.8970, 19.2593, 14.2623

Monochromacy



Original Color

23.2168, 19.4482, 10.3148

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.5467, 19.0413, 16.5550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2168, 19.4482, 10.3148 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(170, 106, 81)` looks like.

```
.text, #text, p{  
    color:rgb(170, 106, 81)  
}
```

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(170, 106, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 106, 81) }
```

Border

The CSS property to change the border of an element to XYZ 23.2168, 19.4482, 10.3148 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(170, 106, 81) }
```


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

```
.border{ border-color:rgb(170, 106, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 106, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 106, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 106, 81);  
box-shadow:4px 4px 4px 4px rgb(170, 106,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2168, 19.4482, 10.3148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 106, 81) }
```

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

```
.background{ background-color: rgb(170,  
106, 81) }
```

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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