

Converting Colors

XYZ(22.1812, 23.1001, 10.8791)

Have a look what the booklet for
XYZ(22.1812, 23.1001, 10.8791)
contains.

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Color

**XYZ(22.1931, 23.1238,
10.8830)**

Conversions

Conversions Part 1

Format	Color
Hex	978250
RGB	151, 130, 80
RGB Percent	59%, 51%, 31%
CMY	0.4078, 0.4902, 0.6863
CMYK	0.00, 0.14, 0.47, 0.41
HSL	42°, 31%, 45%
HSV	42°, 47%, 59%
XYZ	22.1931, 23.1238, 10.8830
YIQ	130.5790, 28.5660, -11.0980

Conversions

Conversions Part 2

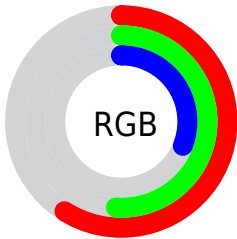
Format	Color
R_{YB}	110, 151, 80
Decimal	9929296
CIE _{Lab}	55.20, 1.00, 29.94
CIE _{LCh}	55, 29.958, 88.095
Yxy	23.1238, 0.3949, 0.4115
Android (android.graphics.Color)	4288119376 (0xFF978250)
YUV	130.5790, -24.9354, 17.9092
Hunter-Lab	48.0872, -1.7717, 20.2427

Details

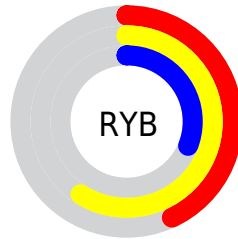
The XYZ color **22.1931, 23.1238, 10.8830** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.5476, 13.2466, 31.1209**, and the grayscale version is **21.5027, 22.6225, 24.6359**.

A 20% lighter version of the original color is **46.6949, 48.7441, 28.0666**, and **8.2682, 8.5970, 2.7370** is the 20% darker color. If you saturate the color by 10%, you get **21.1158, 21.7639, 8.0740**, and if you desaturate by 10%, it is **23.4228, 24.5876, 14.3620**.

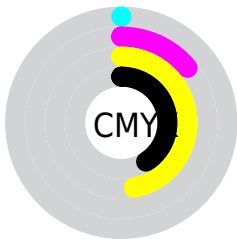
Distribution



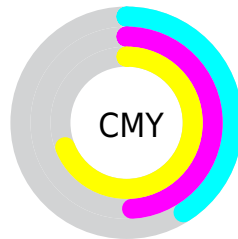
- Red (59%)
- Green (51%)
- Blue (31%)



- Red (43%)
- Yellow (59%)
- Blue (31%)



- Cyan (0%)
- Magenta (14%)
- Yellow (47%)
- Black (41%)



- Cyan (41%)
- Magenta (49%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1931, 23.1238, 10.8830 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 22.1931, 23.1238, 10.8830 by changing the saturation by 10% instead.

■ 22.1931, 23.1238,
10.8830

■ 22.1931, 23.1238,
10.8830

256.1665,
268.3602, 207.5716

■ 14.1163, 14.6849,
5.8750

■ 46.5414, 48.5965,
28.0769

■ 8.2838, 8.5986,
2.7017

■ 63.5436, 66.3992,
41.1000

■ 4.3304, 4.4803,
0.9443

■ 84.2516, 88.0919,
57.6318

■ 1.8907, 1.9457,
0.0000

■ 109.0308,
114.0591, 78.0910

■ 0.5714, 0.5756,
0.0000

■ 138.2465,
144.6851, 102.8960

■ 0.0000, 0.0000,
0.0000

172.2642,

180.3544, 132.4654

211.4490,
221.4513, 167.2178

■ 22.1931, 23.1238,
10.8830

■ 22.1931, 23.1238,
10.8830

■ 21.1158, 21.7639,
8.0740

■ 23.4228, 24.5876,
14.3620

■ 20.1802, 20.5005,
5.8886

■ 24.8111, 26.1559,
18.5502

■ 19.3772, 19.3303,
4.2768

■ 26.3661, 27.8330,
23.4857

■ 18.6952, 18.2483,
3.1803

■ 28.0946, 29.6223,
29.2032

■ 18.1157, 17.2464,
2.5033

■ 30.0031, 31.5268,
35.7354

■ 17.9523, 16.9589,
2.3272

■ 32.0977, 33.5494,
43.1130

■ 34.3843, 35.6930,
51.3651

■ 36.8683, 37.9602,
60.5196

■ 39.5551, 40.3536,
70.6029

Harmonies

Analogous

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



25.5587, 23.1238, 12.5475



22.1931, 23.1238, 10.8830



19.0846, 23.1238, 12.1663

Triad

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



22.1931, 23.1238, 10.8830



16.7755, 23.1238, 34.8947



27.9078, 23.1238, 36.2305

Complementary

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



22.1931, 23.1238, 10.8830



13.5476, 13.2466, 31.1209

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.



25.1511, 23.1238, 45.1910



22.1931, 23.1238, 10.8830



18.7493, 23.1238, 44.2922

Square

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



22.1931, 23.1238, 10.8830



16.1529, 23.1238, 24.5702



21.7652, 23.1238, 48.4597



29.0593, 23.1238, 25.7955

Rectangle

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



22.1931, 23.1238, 10.8830



17.5278, 23.1238, 14.7641



21.7652, 23.1238, 48.4597



27.1252, 23.1238, 39.6050

Sweetspot

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



22.1937, 23.1249, 10.8835



48.0350, 50.7031, 44.7227



17.9949, 13.2623, 14.0008



10.7815, 11.3813, 9.7201



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



22.1937, 23.1249, 10.8835



37.7975, 38.9526, 14.4140



22.7984, 28.0138, 11.7953



6.5546, 6.9142, 6.5950



15.2980, 14.4784, 1.9883



0.2598, 0.2786, 0.0401

Inverse Universe

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



13.5476, 13.2466, 31.1209



20.4639, 19.1709, 55.0555



13.0914, 10.3622, 30.5882



6.0260, 6.3093, 7.8292



5.5615, 3.5197, 25.2940



0.1120, 0.1103, 0.3878

Previews

White Background



This preview shows how the XYZ color 22.1931, 23.1238, 10.8830 looks on a white background.

Color Contrast Check

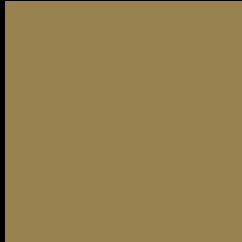
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1931, 23.1238, 10.8830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

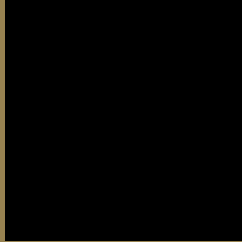
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.1931, 23.1238, 10.8830

Background



This preview shows how black text looks on a background with the XYZ color 22.1931, 23.1238, 10.8830.



This preview shows how white text looks on a background with the XYZ color 22.1931, 23.1238,

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

22.1931, 23.1238, 10.8830

Protanopia

21.2381, 23.0259, 11.1097

Deuteranopia

23.4433, 22.9894, 10.9864



Tritanopia

25.1516, 23.1767, 25.3382

Trichromacy



Original Color

22.1931, 23.1238, 10.8830

Protanomaly

21.6341, 23.0297, 11.0895

Deuteranomaly

22.9792, 22.9409, 11.0015

Tritanomaly

23.8245, 23.0066, 19.1046

Monochromacy



Original Color

22.1931, 23.1238, 10.8830

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.5222, 22.8057, 18.5968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1931, 23.1238, 10.8830 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(151, 130, 80)` looks like.

```
.text, #text, p{  
    color:rgb(151, 130, 80)  
}
```

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(151, 130, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 130, 80) }
```

Border

The CSS property to change the border of an element to XYZ 22.1931, 23.1238, 10.8830 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(151, 130, 80) }
```


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

```
.border{ border-color:rgb(151, 130, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 130, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 130, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 130, 80);  
box-shadow:4px 4px 4px 4px rgb(151, 130,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1931, 23.1238, 10.8830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 130, 80) }
```

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

```
.background{ background-color: rgb(151,  
130, 80) }
```

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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