

Converting Colors

XYZ(23.8835, 24.2259, 7.0828)

Have a look what the booklet for
XYZ(23.8835, 24.2259, 7.0828)
contains.

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Color

**XYZ(23.9101, 24.2950,
7.0436)**

Conversions

Conversions Part 1

Format	Color
Hex	A38337
RGB	163, 131, 55
RGB Percent	64%, 51%, 22%
CMY	0.3608, 0.4863, 0.7843
CMYK	0.00, 0.20, 0.66, 0.36
HSL	42°, 50%, 43%
HSV	42°, 66%, 64%
XYZ	23.9101, 24.2950, 7.0436
YIQ	131.9040, 43.4680, -16.8520

Conversions

Conversions Part 2

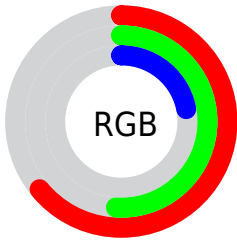
Format	Color
R_{YB}	100, 163, 55
Decimal	10715959
CIE _{Lab}	56.38, 3.64, 44.51
CIE _{LCh}	56, 44.659, 85.321
Yxy	24.2950, 0.4328, 0.4397
Android (android.graphics.Color)	4288906039 (0xFFA38337)
YUV	131.9040, -37.9137, 27.2712
Hunter-Lab	49.2900, 0.3313, 26.0304

Details

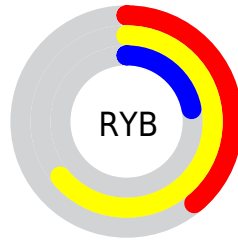
The XYZ color **23.9101, 24.2950, 7.0436** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.5943, 10.2724, 36.0216**, and the grayscale version is **22.0195, 23.1662, 25.2280**.

A 20% lighter version of the original color is **49.5091, 50.6731, 20.5361**, and **9.2071, 9.2249, 1.3240** is the 20% darker color. If you saturate the color by 10%, you get **22.9487, 22.8977, 5.1038**, and if you desaturate by 10%, it is **25.0319, 25.8068, 9.6740**.

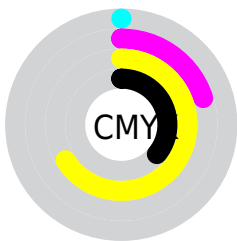
Distribution



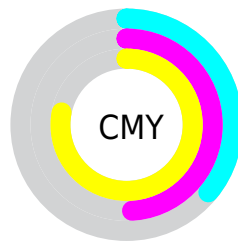
- Red (64%)
- Green (51%)
- Blue (22%)



- Red (39%)
- Yellow (64%)
- Blue (22%)



- Cyan (0%)
- Magenta (20%)
- Yellow (66%)
- Black (36%)



- Cyan (36%)
- Magenta (49%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9101, 24.2950, 7.0436 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 23.9101, 24.2950, 7.0436 by changing the saturation by 10% instead.

■ 23.9101, 24.2950,
7.0436

■ 23.9101, 24.2950,
7.0436

264.8146,
274.3085, 177.6702

■ 15.3913, 15.5526,
3.4105

■ 49.3392, 50.5112,
20.5752

■ 9.1826, 9.2081,
1.3079

■ 66.9802, 68.7537,
31.3109

■ 4.9185, 4.8772,
0.0682

■ 88.3927, 90.9318,
45.2511

■ 2.2338, 2.1754,
0.0000

■ 113.9420,
117.4298, 62.8145

■ 0.7605, 0.7065,
0.0000

■ 143.9935,
148.6320, 84.4195

■ 0.0000, 0.0000,
0.0000

■ 178.9125,

184.9230, 110.4848

219.0644,
226.6870, 141.4288

■ 23.9101, 24.2950,
7.0436

■ 23.9101, 24.2950,
7.0436

■ 22.9487, 22.8977,
5.1038

■ 25.0319, 25.8068,
9.6740

■ 22.1324, 21.6052,
3.7833

■ 26.3243, 27.4348,
13.0543

■ 21.4428, 20.4104,
2.9847

■ 27.7984, 29.1852,
17.2387

■ 21.2018, 19.9819,
2.7394

■ 29.4640, 31.0625,
22.2763

■ 31.3300, 33.0707,
28.2119

■ 33.4045, 35.2138,
35.0874

■ 35.6954, 37.4955,
42.9421

■ 38.2100, 39.9193,
51.8127

■ 40.9554, 42.4886,
61.7344

Harmonies

Analogous

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



29.2058, 24.2950, 9.2976



23.9101, 24.2950, 7.0436



19.1050, 24.2950, 8.1908

Triad

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



23.9101, 24.2950, 7.0436



15.2379, 24.2950, 40.5527



32.2438, 24.2950, 46.1251

Complementary

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



23.9101, 24.2950, 7.0436



11.5943, 10.2724, 36.0216

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.



27.5976, 24.2950, 61.3231



23.9101, 24.2950, 7.0436



17.8966, 24.2950, 57.3540

Square

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



23.9101, 24.2950, 7.0436



14.5515, 24.2950, 24.2033



22.2921, 24.2950, 66.0529



34.4518, 24.2950, 28.8382

Rectangle

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



23.9101, 24.2950, 7.0436



16.7341, 24.2950, 11.0877



22.2921, 24.2950, 66.0529



30.8846, 24.2950, 51.8676

Sweetspot

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



23.9107, 24.2962, 7.0441



54.6908, 57.7190, 45.9522



18.2071, 11.2137, 10.3078



12.0835, 12.7479, 9.6864



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.9107, 24.2962, 7.0441



40.3048, 39.7755, 7.7747



24.8393, 32.1678, 8.5145



7.4714, 7.8812, 7.5075



16.5187, 15.6114, 2.1427



0.3850, 0.4039, 0.0577

Inverse Universe

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



11.5943, 10.2724, 36.0216



16.6778, 12.9748, 63.6815



11.0056, 6.9381, 35.4091



6.8636, 7.1861, 8.9284



6.0039, 3.7873, 27.3444



0.1654, 0.1580, 0.5876

Previews

White Background



This preview shows how the XYZ color 23.9101, 24.2950, 7.0436 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 23.9101, 24.2950, 7.0436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

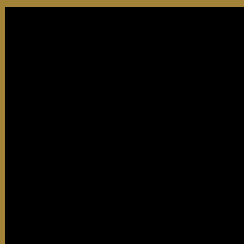
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.9101, 24.2950, 7.0436

Background



This preview shows how black text looks on a background with the XYZ color 23.9101, 24.2950, 7.0436.



This preview shows how white text looks on a background with the XYZ color 23.9101, 24.2950,

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

23.9101, 24.2950, 7.0436

Protanopia

22.2805, 24.4732, 7.2909

Deuteranopia

24.7125, 24.3109, 7.1314



Tritanopia

27.6100, 24.2669, 25.0586

Trichromacy



Original Color

23.9101, 24.2950, 7.0436

Protanomaly

22.7565, 24.3043, 7.2332

Deuteranomaly

24.4223, 24.3578, 7.1557

Tritanomaly

25.8959, 24.1367, 16.3907

Monochromacy



Original Color

23.9101, 24.2950, 7.0436

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.0776, 23.3416, 16.4385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9101, 24.2950, 7.0436 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(163, 131, 55)` looks like.

```
.text, #text, p{  
    color:rgb(163, 131, 55)  
}
```

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(163, 131, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 131, 55) }
```

Border

The CSS property to change the border of an element to XYZ 23.9101, 24.2950, 7.0436 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(163, 131, 55) }
```


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

```
.border{ border-color:rgb(163, 131, 55) }
```

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

Here you see how a box with a 4 pixel rgb(163, 131, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 131, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 131, 55);  
box-shadow:4px 4px 4px 4px rgb(163, 131,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9101, 24.2950, 7.0436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 131, 55) }
```

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

```
.background{ background-color: rgb(163,  
131, 55) }
```

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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