

Converting Colors

XYZ(23.8836, 21.8944, 20.1380)

Have a look what the booklet for
XYZ(23.8836, 21.8944, 20.1380)
contains.

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Color

**XYZ(23.8911, 21.9090,
20.1092)**

Conversions

Conversions Part 1

Format	Color
Hex	9D7876
RGB	157, 120, 118
RGB Percent	62%, 47%, 46%
CMY	0.3843, 0.5294, 0.5373
CMYK	0.00, 0.24, 0.25, 0.38
HSL	3°, 17%, 54%
HSV	3°, 25%, 62%
XYZ	23.8911, 21.9090, 20.1092
YIQ	130.8350, 22.6940, 7.2220

Conversions

Conversions Part 2

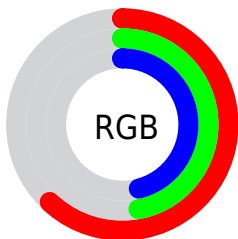
Format	Color
R_{YB}	157, 120, 118
Decimal	10319990
CIE Lab	53.93, 14.13, 6.67
CIE LCh	54, 15.624, 25.286
Yxy	21.9090, 0.3625, 0.3324
Android (android.graphics.Color)	4288510070 (0xFF9D7876)
YUV	130.8350, -6.3277, 22.9467
Hunter-Lab	46.8071, 9.1970, 7.2928

Details

The XYZ color **23.8911, 21.9090, 20.1092** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **25.2781, 29.7278, 36.3042**, and the grayscale version is **21.5312, 22.6525, 24.6685**.

A 20% lighter version of the original color is **49.1596, 46.4044, 44.3962**, and **9.1844, 7.9519, 6.8452** is the 20% darker color. If you saturate the color by 10%, you get **21.3807, 18.2590, 15.0462**, and if you desaturate by 10%, it is **26.8366, 26.1804, 26.0839**.

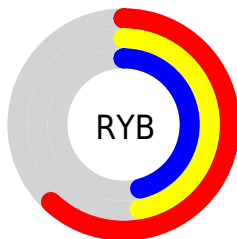
Distribution



Red (62%)

Green (47%)

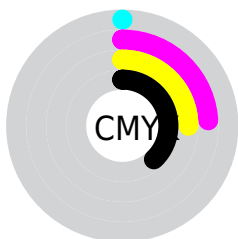
Blue (46%)



Red (62%)

Yellow (47%)

Blue (46%)

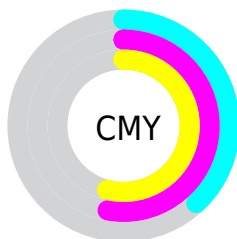


Cyan (0%)

Magenta (24%)

Yellow (25%)

Black (38%)



Cyan (38%)

Magenta (53%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8911, 21.9090, 20.1092 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 23.8911, 21.9090, 20.1092 by changing the saturation by 10% instead.

■ 23.8911, 21.9090,
20.1092

■ 23.8911, 21.9090,
20.1092

264.7202,
262.0707, 265.1294

■ 15.3772, 13.7900,
12.2896

■ 49.3084, 46.5955,
44.4616

■ 9.1725, 7.9748,
6.8163

■ 66.9425, 63.9319,
61.8314

■ 4.9119, 4.0788,
3.2708

■ 88.3473, 85.1096,
83.2217

■ 2.2299, 1.7178,
1.2345

113.8882,
110.5129, 109.0510

■ 0.7584, 0.4351,
0.0072

143.9306,
140.5263, 139.7379

■ 0.0000, 0.0000,
0.0000

178.8398,

175.5341, 175.7009

218.9812,
215.9208, 217.3586

■ 23.8911, 21.9090,
20.1092

■ 23.8911, 21.9090,
20.1092

■ 21.3807, 18.2590,
15.0462

■ 26.8366, 26.1804,
26.0839

■ 19.2832, 15.1986,
10.8488

■ 30.2347, 31.0970,
33.0107

■ 17.5769, 12.6978,
7.4691

■ 34.1038, 36.6852,
40.9290

■ 16.2375, 10.7227,
4.8536

■ 38.4611, 42.9689,
49.8758

■ 15.2382, 9.2358,
2.9428

■ 43.3228, 49.9707,
59.8861

■ 14.5482, 8.1946,
1.6683

■ 48.7042, 57.7126,
70.9931

■ 14.1307, 7.5490,
0.9450

■ 54.6201, 66.2152,
83.2289

■ 13.9922, 7.3432,
0.6799

■ 61.0848, 75.4986,
96.6240

■ 67.4116, 85.3019,
107.5197

Harmonies

Analogous

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



24.2206, 21.9090, 24.6255



23.8911, 21.9090, 20.1092



22.7229, 21.9090, 17.0152

Triad

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



23.8911, 21.9090, 20.1092



18.2739, 21.9090, 18.9541



20.5589, 21.9090, 34.3426

Complementary

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



23.8911, 21.9090, 20.1092



25.2781, 29.7278, 36.3042

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.



19.0337, 21.9090, 32.3191



23.8911, 21.9090, 20.1092



17.7605, 21.9090, 23.1011

Square

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



23.8911, 21.9090, 20.1092



19.4711, 21.9090, 16.4140



18.0310, 21.9090, 28.0397



22.2378, 21.9090, 33.2613

Rectangle

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



23.8911, 21.9090, 20.1092



21.6572, 21.9090, 15.9628



18.0310, 21.9090, 28.0397



20.0122, 21.9090, 33.9960

Sweetspot

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



23.8917, 21.9100, 20.1096



52.6773, 53.5665, 56.1179



26.3039, 22.4935, 33.9878



11.5185, 11.6816, 12.1998



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.8917, 21.9100, 20.1096



40.1147, 35.3547, 30.6171



26.4728, 27.0722, 20.9700



6.6590, 6.6981, 6.9276



11.3727, 5.9810, 0.5550



0.2105, 0.1212, 0.0123

Inverse Universe

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



25.2781, 29.7278, 36.3042



43.0455, 51.8881, 64.8734



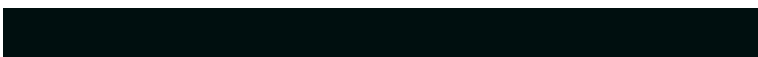
22.2982, 23.7680, 35.3109



6.7927, 7.4511, 8.4869



13.6720, 19.4355, 28.9381



0.2524, 0.3634, 0.5201

Previews

White Background



This preview shows how the XYZ color 23.8911, 21.9090, 20.1092 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 23.8911, 21.9090, 20.1092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

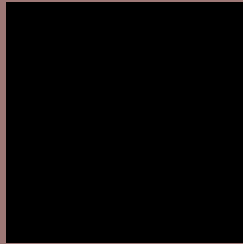
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.8911, 21.9090, 20.1092

Background



This preview shows how black text looks on a background with the XYZ color 23.8911, 21.9090, 20.1092.



This preview shows how white text looks on a background with the XYZ color 23.8911, 21.9090,

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

23.8911, 21.9090, 20.1092

Protanopia

21.0983, 22.1171, 21.8959

Deuteranopia

22.3986, 22.0626, 19.9076



Tritanopia

24.5937, 22.0213, 23.3764

Trichromacy



Original Color

23.8911, 21.9090, 20.1092

Protanomaly

22.0674, 22.0530, 21.1827

Deuteranomaly

22.8715, 21.9343, 19.8579

Tritanomaly

24.3355, 21.9180, 22.0168

Monochromacy



Original Color

23.8911, 21.9090, 20.1092

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.1705, 22.2606, 22.8669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8911, 21.9090, 20.1092 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(157, 120, 118)` looks like.

```
.text, #text, p{  
    color:rgb(157, 120, 118)  
}
```

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(157, 120, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 120, 118) }
```

Border

The CSS property to change the border of an element to XYZ 23.8911, 21.9090, 20.1092 is called "border". The border property can be set on classes, ids or directly on the HTML element.

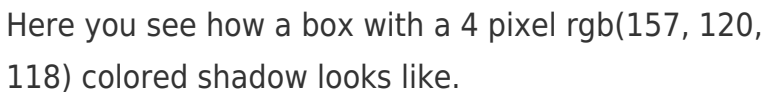
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 120, 118) }
```


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

```
.border{ border-color:rgb(157, 120, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 120, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 120, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 120, 118);  
box-shadow:4px 4px 4px 4px rgb(157, 120,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8911, 21.9090, 20.1092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 120, 118) }
```

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

```
.background{ background-color: rgb(157,  
120, 118) }
```

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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