

Converting Colors

XYZ(23.1811, 21.2991, 22.9877)

Have a look what the booklet for
XYZ(23.1811, 21.2991, 22.9877)
contains.

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Color

**XYZ(23.1901, 21.3053,
22.9688)**

Conversions

Conversions Part 1

Format	Color
Hex	97777F
RGB	151, 119, 127
RGB Percent	59%, 47%, 50%
CMY	0.4078, 0.5333, 0.5020
CMYK	0.00, 0.21, 0.16, 0.41
HSL	345°, 13%, 53%
HSV	345°, 21%, 59%
XYZ	23.1901, 21.3053, 22.9688
YIQ	129.4800, 16.5040, 9.2720

Conversions

Conversions Part 2

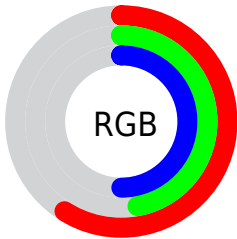
Format	Color
R_{YB}	151, 119, 127
Decimal	9926527
CIE _{Lab}	53.28, 13.80, 0.39
CIE _{LCh}	53, 13.810, 1.637
Yxy	21.3053, 0.3437, 0.3158
Android (android.graphics.Color)	4288116607 (0xFF97777F)
YUV	129.4800, -1.2226, 18.8730
Hunter-Lab	46.1577, 8.9044, 2.8067

Details

The XYZ color **23.1901, 21.3053, 22.9688** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.6331, 28.0388, 30.1544**, and the grayscale version is **21.0353, 22.1308, 24.1004**.

A 20% lighter version of the original color is **48.2547, 45.5429, 49.4274**, and **8.8208, 7.6397, 8.2174** is the 20% darker color. If you saturate the color by 10%, you get **20.8367, 17.7140, 18.7450**, and if you desaturate by 10%, it is **25.9132, 25.5028, 27.7258**.

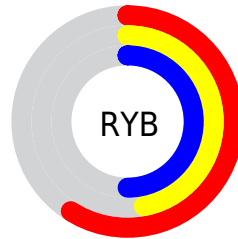
Distribution



Red (59%)

Green (47%)

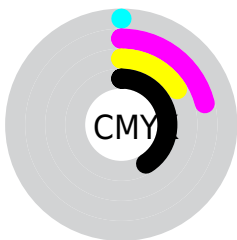
Blue (50%)



Red (59%)

Yellow (47%)

Blue (50%)

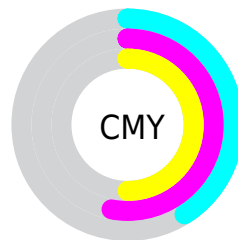


Cyan (0%)

Magenta (21%)

Yellow (16%)

Black (41%)



Cyan (41%)

Magenta (53%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1901, 21.3053, 22.9688 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 23.1901, 21.3053, 22.9688 by changing the saturation by 10% instead.

■ 23.1901, 21.3053,
22.9688

■ 23.1901, 21.3053,
22.9688

261.2170,
258.8966, 280.6814

■ 14.8554, 13.3473,
14.3654

■ 48.1696, 45.5951,
49.2646

■ 8.8036, 7.6682,
8.2336

■ 65.5452, 62.6957,
67.7941

■ 4.6694, 3.8834,
4.1549

■ 86.6651, 83.6127,
90.4694

■ 2.0874, 1.6085,
1.7107

111.8947,
108.7304, 117.7090

■ 0.6823, 0.3633,
0.3680

141.5993,
138.4333, 149.9315

■ 0.0000, 0.0000,
0.0000

176.1443,

173.1056, 187.5553

215.8951,
213.1319, 230.9991

■ 23.1901, 21.3053,
22.9688

■ 23.1901, 21.3053,
22.9688

■ 20.8367, 17.7140,
18.7450

■ 25.9132, 25.5028,
27.7258

■ 18.8351, 14.6981,
15.0341

■ 29.0194, 30.3297,
33.0326

■ 17.1684, 12.2282,
11.8167

■ 32.5237, 35.8117,
38.9067

■ 15.8177, 10.2713,
9.0712

■ 36.4395, 41.9721,
45.3643

■ 14.7621, 8.7909,
6.7747

■ 40.7798, 48.8329,
52.4212

■ 13.9781, 7.7454,
4.9021

■ 45.5570, 56.4155,
60.0924

■ 13.4381, 7.0861,
3.4255

■ 50.7829, 64.7400,
68.3925

■ 13.1083, 6.7176,
2.4176

■ 56.4688, 73.8258,
77.3353

■ 62.6258, 83.6918,
86.9346

Harmonies

Analogous

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



22.8241, 21.3053, 27.2339



23.1901, 21.3053, 22.9688



22.7373, 21.3053, 19.2283

Triad

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



23.1901, 21.3053, 22.9688



18.8119, 21.3053, 16.9998



18.9445, 21.3053, 31.0225

Complementary

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



23.1901, 21.3053, 22.9688



23.6331, 28.0388, 30.1544

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.



17.9511, 21.3053, 27.6793



23.1901, 21.3053, 22.9688



17.8772, 21.3053, 19.5817

Square

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



23.1901, 21.3053, 22.9688



20.1699, 21.3053, 16.0489



17.5696, 21.3053, 23.4284



20.3304, 21.3053, 32.2057

Rectangle

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



23.1901, 21.3053, 22.9688



22.0442, 21.3053, 17.4438



17.5696, 21.3053, 23.4284



18.5560, 21.3053, 30.0957

Sweetspot

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



23.1907, 21.3063, 22.9692



49.1398, 49.9105, 54.3462



23.5112, 21.2687, 32.1444



11.0951, 11.2295, 12.2262



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.



23.1907, 21.3063, 22.9692



39.6349, 35.2536, 37.7587



23.6824, 23.0909, 20.6628



6.2690, 6.2468, 6.7966



11.1616, 5.7189, 2.1098



0.1798, 0.0907, 0.0995

Inverse Universe

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



23.1907, 21.3063, 22.9692



39.6349, 35.2536, 37.7587



23.0169, 25.8019, 33.0455



6.2690, 6.2468, 6.7966



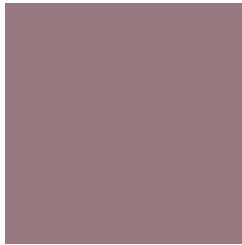
11.1616, 5.7189, 2.1098



0.1798, 0.0907, 0.0995

Previews

White Background



This preview shows how the XYZ color 23.1901, 21.3053, 22.9688 looks on a white background.

Color Contrast Check

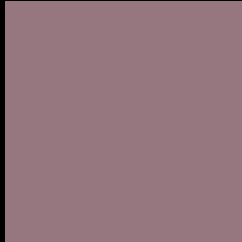
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1901, 21.3053, 22.9688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

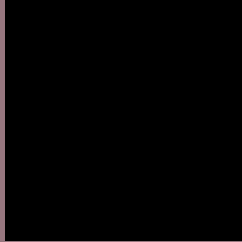
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.1901, 21.3053, 22.9688

Background



This preview shows how black text looks on a background with the XYZ color 23.1901, 21.3053, 22.9688.



This preview shows how white text looks on a background with the XYZ color 23.1901, 21.3053,

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

23.1901, 21.3053, 22.9688

Protanopia

20.8075, 21.5118, 24.8853

Deuteranopia

21.6641, 21.2477, 22.6981



Tritanopia

23.2556, 21.3315, 23.3138

Trichromacy



Original Color

23.1901, 21.3053, 22.9688

Protanomaly

21.5534, 21.3454, 24.1032

Deuteranomaly

22.2270, 21.3547, 22.6890

Tritanomaly

23.2556, 21.3315, 23.3138

Monochromacy



Original Color

23.1901, 21.3053, 22.9688

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.5464, 21.5441, 23.4449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1901, 21.3053, 22.9688 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, 119, 127)` looks like.

```
.text, #text, p{  
    color:rgb(151, 119, 127)  
}
```

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, 119, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 119, 127) }
```

Border

The CSS property to change the border of an element to XYZ 23.1901, 21.3053, 22.9688 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, 119, 127) }
```


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

```
.border{ border-color:rgb(151, 119, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 119, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 119, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 119, 127);  
box-shadow:4px 4px 4px 4px rgb(151, 119,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1901, 21.3053, 22.9688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 119, 127) }
```

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

```
.background{ background-color: rgb(151,  
119, 127) }
```

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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