

Converting Colors

XYZ(22.1981, 23.9951, 20.5984)

Have a look what the booklet for
XYZ(22.1981, 23.9951, 20.5984)
contains.

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Color

**XYZ(22.0873, 23.8702,
20.5828)**

Conversions

Conversions Part 1

Format	Color
Hex	888776
RGB	136, 135, 118
RGB Percent	53%, 53%, 46%
CMY	0.4667, 0.4706, 0.5373
CMYK	0.00, 0.01, 0.13, 0.47
HSL	57°, 7%, 50%
HSV	57°, 13%, 53%
XYZ	22.0873, 23.8702, 20.5828
YIQ	133.3610, 6.0530, -5.0750

Conversions

Conversions Part 2

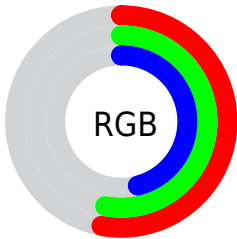
Format	Color
RYB	119, 136, 118
Decimal	8947574
CIELab	55.96, -2.76, 9.28
CIELCh	56, 9.684, 106.569
Yxy	23.8702, 0.3319, 0.3587
Android (android.graphics.Color)	4287137654 (0xFF888776)
YUV	133.3610, -7.5730, 2.3144
Hunter-Lab	48.8571, -4.8038, 9.2220

Details

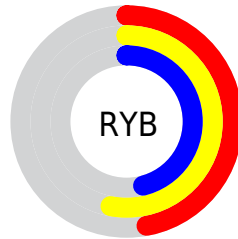
The XYZ color **22.0873, 23.8702, 20.5828** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **18.5119, 18.8223, 25.9501**, and the grayscale version is **22.4517, 23.6209, 25.7232**.

A 20% lighter version of the original color is **46.2252, 49.6875, 45.1845**, and **8.1917, 8.9176, 7.0839** is the 20% darker color. If you saturate the color by 10%, you get **21.2323, 23.3614, 16.5939**, and if you desaturate by 10%, it is **23.0609, 24.4292, 25.1868**.

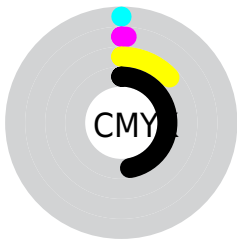
Distribution



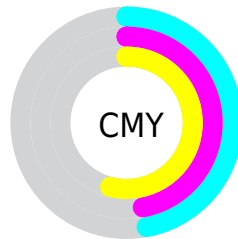
- Red (53%)
- Green (53%)
- Blue (46%)



- Red (47%)
- Yellow (53%)
- Blue (46%)



- Cyan (0%)
- Magenta (1%)
- Yellow (13%)
- Black (47%)



- Cyan (47%)
- Magenta (47%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0873, 23.8702, 20.5828 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 22.0873, 23.8702, 20.5828 by changing the saturation by 10% instead.

■ 22.0873, 23.8702,
20.5828

■ 22.0873, 23.8702,
20.5828

255.6256,
272.1636, 267.7608

■ 14.0380, 15.2374,
12.6311

■ 46.3680, 49.8183,
45.2639

■ 8.2290, 8.9861,
7.0473

■ 63.3302, 67.9024,
62.8304

■ 4.2949, 4.7321,
3.4128

■ 83.9940, 89.9056,
84.4389

■ 1.8703, 2.0910,
1.3091

108.7249,
116.2124, 110.5080

■ 0.5595, 0.6595,
0.0692

137.8881,
147.2073, 141.4562

■ 0.0000, 0.0000,
0.0000

171.8491,

183.2745, 177.7020

210.9731,
224.7985, 219.6640

■ 22.0873, 23.8702,
20.5828

■ 22.0873, 23.8702,
20.5828

■ 21.2323, 23.3614,
16.5939

■ 23.0609, 24.4292,
25.1868

■ 20.4889, 22.8978,
13.1924

■ 24.1559, 25.0371,
30.4289

■ 19.8526, 22.4781,
10.3508

■ 25.3772, 25.6967,
36.3329

■ 19.3176, 22.1001,
8.0388

■ 26.7291, 26.4098,
42.9208

■ 18.8775, 21.7612,
6.2231

■ 28.2156, 27.1779,
50.2138

■ 18.5253, 21.4587,
4.8669

■ 29.8406, 28.0026,
58.2318

■ 18.2531, 21.1894,
3.9281

■ 31.6075, 28.8853,
66.9943

■ 18.0513, 20.9494,
3.3564

■ 33.5201, 29.8274,
76.5199

■ 17.9339, 20.7954,
3.0687

■ 35.5818, 30.8304,
86.8265

Harmonies

Analogous

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



23.1851, 23.8702, 20.5091



22.0873, 23.8702, 20.5828



21.1794, 23.8702, 22.0270

Triad

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



22.0873, 23.8702, 20.5828



21.2581, 23.8702, 30.6655



24.8182, 23.8702, 27.4300

Complementary

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



22.0873, 23.8702, 20.5828



18.5119, 18.8223, 25.9501

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.



24.2664, 23.8702, 30.4032



22.0873, 23.8702, 20.5828



22.1979, 23.8702, 32.3709

Square

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



22.0873, 23.8702, 20.5828



20.7114, 23.8702, 27.7650



23.2993, 23.8702, 32.2712



24.7863, 23.8702, 24.2934

Rectangle

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



22.0873, 23.8702, 20.5828



20.7934, 23.8702, 23.6448



23.2993, 23.8702, 32.2712



24.6941, 23.8702, 28.4866

Sweetspot

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



22.0879, 23.8712, 20.5833



40.4856, 42.9641, 43.6519



19.9738, 19.5281, 20.2327



9.3477, 9.9340, 9.9749



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



22.0879, 23.8712, 20.5833



38.4342, 41.7795, 33.9718



21.0066, 23.5212, 20.5727



5.4077, 5.7983, 5.3866



16.9761, 19.6866, 2.9052



0.1161, 0.1375, 0.0204

Inverse Universe

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



18.5119, 18.8223, 25.9501



30.8118, 31.0177, 45.4114



19.4973, 19.1552, 25.9624



4.7955, 4.9338, 6.3054



4.2857, 1.8418, 22.1753



0.0310, 0.0173, 0.1482

Previews

White Background



This preview shows how the XYZ color 22.0873, 23.8702, 20.5828 looks on a white background.

Color Contrast Check

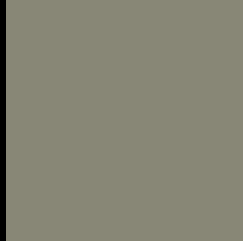
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0873, 23.8702, 20.5828 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

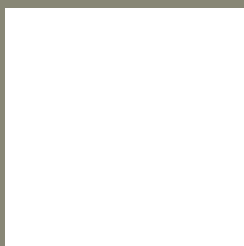
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.0873, 23.8702, 20.5828

Background



This preview shows how black text looks on a background with the XYZ color 22.0873, 23.8702, 20.5828.



This preview shows how white text looks on a background with the XYZ color 22.0873, 23.8702,

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

22.0873, 23.8702, 20.5828

Protanopia

22.5512, 23.9100, 20.2561

Deuteranopia

24.1289, 23.7078, 20.7571



Tritanopia

23.7812, 23.9445, 28.9595

Trichromacy



Original Color

22.0873, 23.8702, 20.5828

Protanomaly

22.3834, 23.8235, 20.2483

Deuteranomaly

23.3001, 23.6755, 20.7945

Tritanomaly

23.1024, 23.8718, 25.5804

Monochromacy



Original Color

22.0873, 23.8702, 20.5828

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.2529, 23.6770, 23.8193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0873, 23.8702, 20.5828 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(136, 135, 118)` looks like.

```
.text, #text, p{  
    color:rgb(136, 135, 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(136, 135, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 135, 118) }
```

Border

The CSS property to change the border of an element to XYZ 22.0873, 23.8702, 20.5828 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(136, 135, 118) }
```


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

```
.border{ border-color:rgb(136, 135, 118) }
```

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

Here you see how a box with a 4 pixel rgb(136, 135, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 135, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 135, 118);  
box-shadow:4px 4px 4px 4px rgb(136, 135,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0873, 23.8702, 20.5828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 135, 118) }
```

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

```
.background{ background-color: rgb(136,  
135, 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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