

Converting Colors

XYZ(22.2956, 23.9325, 22.0697)

Have a look what the booklet for
XYZ(22.2956, 23.9325, 22.0697)
contains.

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Color

**XYZ(22.3925, 23.9922,
22.1896)**

Conversions

Conversions Part 1

Format	Color
Hex	88877B
RGB	136, 135, 123
RGB Percent	53%, 53%, 48%
CMY	0.4667, 0.4706, 0.5176
CMYK	0.00, 0.01, 0.10, 0.47
HSL	55°, 5%, 51%
HSV	55°, 10%, 53%
XYZ	22.3925, 23.9922, 22.1896
YIQ	133.9310, 4.4480, -3.5200

Conversions

Conversions Part 2

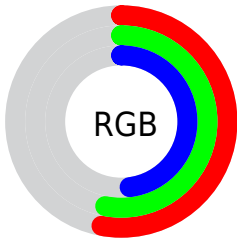
Format	Color
RYB	124, 136, 123
Decimal	8947579
CIELab	56.08, -1.88, 6.58
CIELCh	56, 6.844, 105.941
Yxy	23.9922, 0.3265, 0.3499
Android (android.graphics.Color)	4287137659 (0xFF88877B)
YUV	133.9310, -5.3890, 1.8145
Hunter-Lab	48.9818, -4.1153, 7.4279

Details

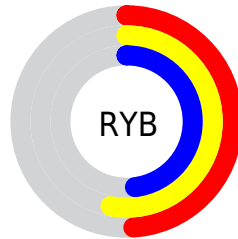
The XYZ color **22.3925, 23.9922, 22.1896** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.8201, 20.4037, 26.1867**, and the grayscale version is **22.6532, 23.8329, 25.9541**.

A 20% lighter version of the original color is **46.7073, 49.8804, 47.7236**, and **8.3223, 8.9698, 7.7713** is the 20% darker color. If you saturate the color by 10%, you get **21.4549, 23.3860, 17.9645**, and if you desaturate by 10%, it is **23.4511, 24.6507, 27.0392**.

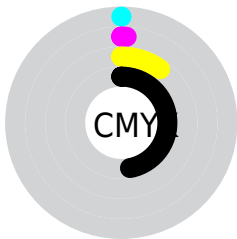
Distribution



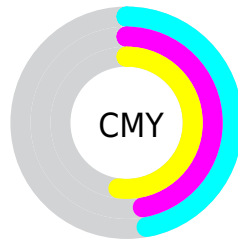
- Red (53%)
- Green (53%)
- Blue (48%)



- Red (49%)
- Yellow (53%)
- Blue (48%)



- Cyan (0%)
- Magenta (1%)
- Yellow (10%)
- Black (47%)



- Cyan (47%)
- Magenta (47%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3925, 23.9922, 22.1896 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 22.3925, 23.9922, 22.1896 by changing the saturation by 10% instead.

■ 22.3925, 23.9922,
22.1896

■ 22.3925, 23.9922,
22.1896

257.1832,
272.7810, 276.5206

■ 14.2638, 15.3278,
13.7966

■ 46.8679, 50.0175,
47.9654

■ 8.3873, 9.0498,
7.8422

■ 63.9453, 68.1472,
66.1852

■ 4.3976, 4.7737,
3.9078

■ 84.7363, 90.2008,
88.5178

■ 1.9295, 2.1151,
1.5749

109.6064,
116.5627, 115.3817

■ 0.5939, 0.6731,
0.2728

138.9207,
147.6172, 147.1954

■ 0.0000, 0.0000,
0.0000

173.0447,

183.7489, 184.3774

212.3438,
225.3420, 227.3463

■ 22.3925, 23.9922,
22.1896

■ 22.3925, 23.9922,
22.1896

■ 21.4549, 23.3860,
17.9645

■ 23.4511, 24.6507,
27.0392

■ 20.6316, 22.8270,
14.3369

■ 24.6334, 25.3601,
32.5358

■ 19.9179, 22.3141,
11.2800

■ 25.9443, 26.1233,
38.7028

■ 19.3084, 21.8452,
8.7643

■ 27.3880, 26.9419,
45.5619

■ 18.7969, 21.4177,
6.7578

■ 28.9684, 27.8175,
53.1336

■ 18.3767, 21.0290,
5.2251

■ 30.6893, 28.7516,
61.4379

■ 18.0402, 20.6760,
4.1262

■ 32.5543, 29.7457,
70.4939

■ 17.7785, 20.3553,
3.4145

■ 34.5668, 30.8012,
80.3198

■ 17.5675, 20.0569,
2.9627

■ 36.7303, 31.9193,
90.9335

Harmonies

Analogous

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



23.1719, 23.9922, 22.1567



22.3925, 23.9922, 22.1896



21.7380, 23.9922, 23.2358

Triad

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



22.3925, 23.9922, 22.1896



21.7719, 23.9922, 29.3491



24.2971, 23.9922, 27.1859

Complementary

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



22.3925, 23.9922, 22.1896



19.8201, 20.4037, 26.1867

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.



23.9040, 23.9922, 29.2409



22.3925, 23.9922, 22.1896



22.4398, 23.9922, 30.5374

Square

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



22.3925, 23.9922, 22.1896



21.3854, 23.9922, 27.3267



23.2202, 23.9922, 30.4967



24.2837, 23.9922, 24.9560

Rectangle

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



22.3925, 23.9922, 22.1896



21.4554, 23.9922, 24.4032



23.2202, 23.9922, 30.4967



24.2077, 23.9922, 27.9226

Sweetspot

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



22.3932, 23.9932, 22.1901



40.6488, 43.0245, 44.5262



20.8800, 20.8579, 22.0222



9.3811, 9.9437, 10.1615



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.



22.3932, 23.9932, 22.1901



39.1704, 42.0966, 37.7785



21.6754, 23.8309, 22.1966



5.3988, 5.7804, 5.3836



16.6211, 18.9766, 2.7868



0.1149, 0.1351, 0.0200

Inverse Universe

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



19.8201, 20.4037, 26.1867



33.8981, 34.7416, 45.9675



20.4921, 20.5654, 26.1825



4.8035, 4.9500, 6.3081



4.3165, 1.9034, 22.1856



0.0322, 0.0197, 0.1486

Previews

White Background



This preview shows how the XYZ color 22.3925, 23.9922, 22.1896 looks on a white background.

Color Contrast Check

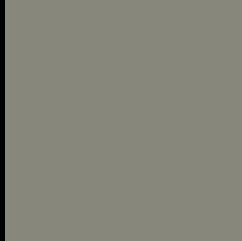
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3925, 23.9922, 22.1896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

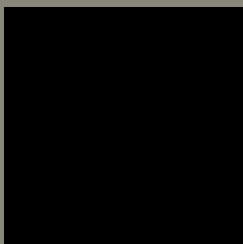
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

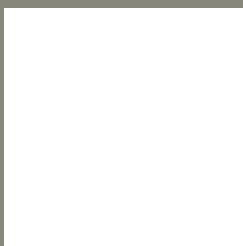
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.3925, 23.9922, 22.1896

Background



This preview shows how black text looks on a background with the XYZ color 22.3925, 23.9922, 22.1896.



This preview shows how white text looks on a background with the XYZ color 22.3925, 23.9922,

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

22.3925, 23.9922, 22.1896

Protanopia

22.8532, 24.0308, 21.8463

Deuteranopia

24.3832, 23.9998, 22.4161



Tritanopia

23.8567, 23.9747, 29.3568

Trichromacy



Original Color

22.3925, 23.9922, 22.1896

Protanomaly

22.6854, 23.9443, 21.8384

Deuteranomaly

23.7434, 24.0688, 22.4631

Tritanomaly

23.3127, 23.9559, 26.6878

Monochromacy



Original Color

22.3925, 23.9922, 22.1896

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.5460, 23.8128, 24.5271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3925, 23.9922, 22.1896 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(136, 135, 123)  
}
```

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, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 135, 123) }
```

Border

The CSS property to change the border of an element to XYZ 22.3925, 23.9922, 22.1896 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, 123) }
```


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

```
.border{ border-color:rgb(136, 135, 123) }
```

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, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 135, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 135, 123);  
box-shadow:4px 4px 4px 4px rgb(136, 135,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3925, 23.9922, 22.1896 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, 123) }
```

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

```
.background{ background-color: rgb(136,  
135, 123) }
```

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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