

Converting Colors

XYZ(22.9682, 23.3489, 21.6376)

Have a look what the booklet for
XYZ(22.9682, 23.3489, 21.6376)
contains.

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Color

**XYZ(22.9971, 23.2997,
21.6976)**

Conversions

Conversions Part 1

Format	Color
Hex	90827A
RGB	144, 130, 122
RGB Percent	56%, 51%, 48%
CMY	0.4353, 0.4902, 0.5216
CMYK	0.00, 0.10, 0.15, 0.44
HSL	22°, 9%, 52%
HSV	22°, 15%, 56%
XYZ	22.9971, 23.2997, 21.6976
YIQ	133.2740, 10.9120, 0.4800

Conversions

Conversions Part 2

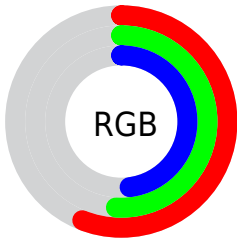
Format	Color
R_{YB}	144, 135, 122
Decimal	9470586
CIE Lab	55.38, 3.89, 6.25
CIE LCh	55, 7.363, 58.076
Yxy	23.2997, 0.3382, 0.3427
Android (android.graphics.Color)	4287660666 (0xFF90827A)
YUV	133.2740, -5.5581, 9.4067
Hunter-Lab	48.2698, 0.5704, 7.1376

Details

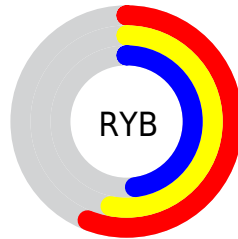
The XYZ color **22.9971, 23.2997, 21.6976** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.8642, 23.7591, 29.8194**, and the grayscale version is **22.4116, 23.5787, 25.6772**.

A 20% lighter version of the original color is **47.8622, 48.9287, 46.9660**, and **8.6592, 8.6931, 7.5249** is the 20% darker color. If you saturate the color by 10%, you get **21.0054, 20.6399, 16.9531**, and if you desaturate by 10%, it is **25.2308, 26.2316, 27.1757**.

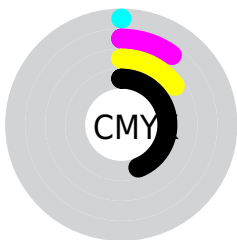
Distribution



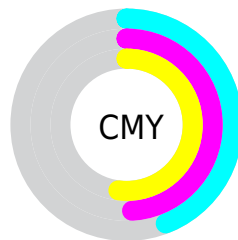
- Red (56%)
- Green (51%)
- Blue (48%)



- Red (56%)
- Yellow (53%)
- Blue (48%)



- Cyan (0%)
- Magenta (10%)
- Yellow (15%)
- Black (44%)



- Cyan (44%)
- Magenta (49%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9971, 23.2997, 21.6976 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 22.9971, 23.2997, 21.6976 by changing the saturation by 10% instead.

■ 22.9971, 23.2997,
21.6976

■ 22.9971, 23.2997,
21.6976

260.2457,
269.2606, 273.8648

■ 14.7120, 14.8150,
13.4387

■ 47.8553, 48.8850,
47.1414

■ 8.7025, 8.6896,
7.5970

■ 65.1591, 66.7543,
65.1635

■ 4.6032, 4.5393,
3.7542

■ 86.1999, 88.5206,
87.2769

■ 2.0487, 1.9796,
1.4915

111.3430,
114.5683, 113.9004

■ 0.6611, 0.5956,
0.2116

140.9537,
145.2817, 145.4523

■ 0.0000, 0.0000,
0.0000

175.3976,

181.0453, 182.3513

215.0398,
222.2435, 225.0160

■ 22.9971, 23.2997,
21.6976

■ 22.9971, 23.2997,
21.6976

■ 21.0054, 20.6399,
16.9531

■ 25.2308, 26.2316,
27.1757

■ 19.2453, 18.2410,
12.9092

■ 27.7128, 29.4399,
33.4154

■ 17.7082, 16.0958,
9.5327

■ 30.4515, 32.9332,
40.4452

■ 16.3842, 14.1954,
6.7870

■ 33.4543, 36.7182,
48.2915

■ 15.2628, 12.5305,
4.6319

■ 36.7282, 40.8019,
56.9795

■ 14.3323, 11.0908,
3.0226

■ 40.2801, 45.1907,
66.5335

■ 13.5796, 9.8655,
1.9078

■ 44.1165, 49.8910,
76.9765

■ 12.9877, 8.8417,
1.2174

■ 48.2438, 54.9088,
88.3310

■ 12.7468, 8.4195,
0.9533

■ 52.6682, 60.2501,
100.6184

Harmonies

Analogous

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



23.5783, 23.2997, 23.2861



22.9971, 23.2997, 21.6976



22.1991, 23.2997, 21.0852

Triad

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



22.9971, 23.2997, 21.6976



20.5943, 23.2997, 25.2168



22.9024, 23.2997, 29.6029

Complementary

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



22.9971, 23.2997, 21.6976



21.8642, 23.7591, 29.8194

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.



22.0923, 23.2997, 30.1978



22.9971, 23.2997, 21.6976



20.7722, 23.2997, 27.5734

Square

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



22.9971, 23.2997, 21.6976



20.8234, 23.2997, 23.0369



21.3155, 23.2997, 29.4337



23.5227, 23.2997, 27.8542

Rectangle

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



22.9971, 23.2997, 21.6976



21.6560, 23.2997, 21.2822



21.3155, 23.2997, 29.4337



22.6427, 23.2997, 29.9490

Sweetspot

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



22.9977, 23.3007, 21.6981



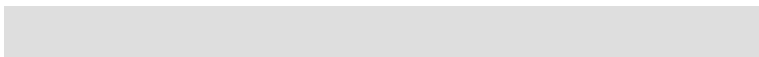
44.5736, 46.3607, 48.1119



22.9267, 21.6348, 26.3724



10.1618, 10.5535, 10.8843



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



22.9977, 23.3007, 21.6981



39.4312, 39.5955, 35.5471



24.4954, 26.2961, 22.1973



5.5595, 5.7253, 5.7014



11.1209, 7.3735, 0.8371



0.1260, 0.1098, 0.0145

Inverse Universe

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



21.8642, 23.7591, 29.8194



37.0771, 40.5464, 52.4101



20.4321, 20.8949, 29.3420



5.3975, 5.7908, 6.8620



7.7106, 8.4072, 24.1934



0.0947, 0.1224, 0.2383

Previews

White Background



This preview shows how the XYZ color 22.9971, 23.2997, 21.6976 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 22.9971, 23.2997, 21.6976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

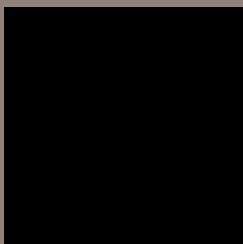
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.9971, 23.2997, 21.6976

Background



This preview shows how black text looks on a background with the XYZ color 22.9971, 23.2997, 21.6976.



This preview shows how white text looks on a background with the XYZ color 22.9971, 23.2997,

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

22.9971, 23.2997, 21.6976

Protanopia

22.1429, 23.2510, 22.0597

Deuteranopia

23.6264, 23.2330, 21.6515



Tritanopia

24.1607, 23.3843, 27.2850

Trichromacy



Original Color

22.9971, 23.2997, 21.6976

Protanomaly

22.5067, 23.2381, 22.0381

Deuteranomaly

23.3957, 23.3087, 21.6783

Tritanomaly

23.6922, 23.3862, 25.0951

Monochromacy



Original Color

22.9971, 23.2997, 21.6976

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.5302, 23.4059, 24.0992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9971, 23.2997, 21.6976 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(144, 130, 122)` looks like.

```
.text, #text, p{  
    color:rgb(144, 130, 122)  
}
```

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(144, 130, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 130, 122) }
```

Border

The CSS property to change the border of an element to XYZ 22.9971, 23.2997, 21.6976 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(144, 130, 122) }
```


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

```
.border{ border-color:rgb(144, 130, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 130, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 130, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 130, 122);  
box-shadow:4px 4px 4px 4px rgb(144, 130,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9971, 23.2997, 21.6976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 130, 122) }
```

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

```
.background{ background-color: rgb(144,  
130, 122) }
```

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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