

Converting Colors

XYZ(22.2236, 22.9202, 23.2590)

Have a look what the booklet for
XYZ(22.2236, 22.9202, 23.2590)
contains.

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Color

**XYZ(22.1299, 22.8159,
23.3162)**

Conversions

Conversions Part 1

Format	Color
Hex	89827F
RGB	137, 130, 127
RGB Percent	54%, 51%, 50%
CMY	0.4627, 0.4902, 0.5020
CMYK	0.00, 0.05, 0.07, 0.46
HSL	18°, 4%, 52%
HSV	18°, 7%, 54%
XYZ	22.1299, 22.8159, 23.3162
YIQ	131.7510, 5.1350, 0.5510

Conversions

Conversions Part 2

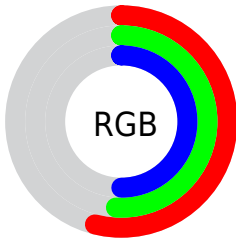
Format	Color
R_{YB}	137, 131, 127
Decimal	9011839
CIE Lab	54.88, 2.07, 2.56
CIE LCh	55, 3.290, 50.980
Yxy	22.8159, 0.3242, 0.3342
Android (android.graphics.Color)	4287201919 (0xFF89827F)
YUV	131.7510, -2.3422, 4.6034
Hunter-Lab	47.7660, -0.8918, 4.4947

Details

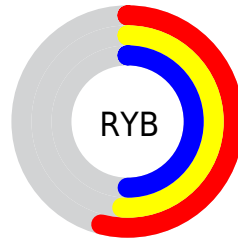
The XYZ color **22.1299, 22.8159, 23.3162** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.7928, 23.3680, 27.0290**, and the grayscale version is **21.8498, 22.9877, 25.0336**.

A 20% lighter version of the original color is **46.4069, 48.1094, 50.0202**, and **8.2481, 8.4612, 8.4062** is the 20% darker color. If you saturate the color by 10%, you get **20.0809, 20.0508, 18.5236**, and if you desaturate by 10%, it is **24.4204, 25.8692, 28.7890**.

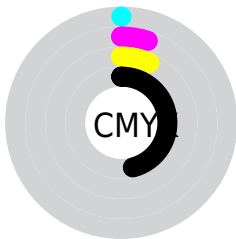
Distribution



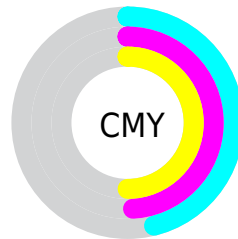
- Red (54%)
- Green (51%)
- Blue (50%)



- Red (54%)
- Yellow (51%)
- Blue (50%)



- Cyan (0%)
- Magenta (5%)
- Yellow (7%)
- Black (46%)



- Cyan (46%)
- Magenta (49%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1299, 22.8159, 23.3162 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 22.1299, 22.8159, 23.3162 by changing the saturation by 10% instead.

■ 22.1299, 22.8159,
23.3162

■ 22.1299, 22.8159,
23.3162

255.8435,
266.7780, 282.5193

■ 14.0695, 14.4576,
14.6197

■ 46.4379, 48.0909,
49.8418

■ 8.2511, 8.4396,
8.4093

■ 63.4161, 65.7763,
68.5079

■ 4.3092, 4.3775,
4.2664

■ 84.0978, 87.3397,
91.3343

■ 1.8785, 1.8869,
1.7726

108.8481,
113.1653, 118.7395

■ 0.5643, 0.5405,
0.4098

138.0325,
143.6375, 151.1421

■ 0.0000, 0.0000,
0.0000

172.0163,

179.1408, 188.9605

211.1648,
220.0595, 232.6134

■ 22.1299, 22.8159,
23.3162

■ 22.1299, 22.8159,
23.3162

■ 20.0809, 20.0508,
18.5236

■ 24.4204, 25.8692,
28.7890

■ 18.2635, 17.5626,
14.3829

■ 26.9583, 29.2157,
34.9656

■ 16.6697, 15.3434,
10.8661

■ 29.7514, 32.8643,
41.8706

■ 15.2904, 13.3838,
7.9427

■ 32.8069, 36.8223,
49.5266

■ 14.1157, 11.6742,
5.5794

■ 36.1316, 41.0969,
57.9556

■ 13.1352, 10.2038,
3.7398

■ 39.7318, 45.6950,
67.1783

■ 12.3371, 8.9614,
2.3828

■ 43.6139, 50.6234,
77.2150

■ 11.7082, 7.9347,
1.4613

■ 47.7840, 55.8884,
88.0849

■ 11.2273, 7.1073,
0.8864

■ 52.2479, 61.4966,
99.8069

Harmonies

Analogous

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



22.3466, 22.8159, 24.1312



22.1299, 22.8159, 23.3162



21.7958, 22.8159, 22.9133

Triad

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



22.1299, 22.8159, 23.3162



21.0013, 22.8159, 24.5294



21.9376, 22.8159, 26.7635

Complementary

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



22.1299, 22.8159, 23.3162



21.7928, 23.3680, 27.0290

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.



21.5762, 22.8159, 26.8774



22.1299, 22.8159, 23.3162



21.0383, 22.8159, 25.5680

Square

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



22.1299, 22.8159, 23.3162



21.1461, 22.8159, 23.6007



21.2477, 22.8159, 26.4343



22.2347, 22.8159, 26.1274

Rectangle

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



22.1299, 22.8159, 23.3162



21.5527, 22.8159, 22.9246



21.2477, 22.8159, 26.4343



21.8195, 22.8159, 26.8648

Sweetspot

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



22.1305, 22.8169, 23.3167



41.7317, 43.6680, 46.7507



22.2093, 22.2187, 25.6726



9.3730, 9.8116, 10.5166



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.



22.1305, 22.8169, 23.3167



38.9015, 39.8806, 40.0329



22.8115, 24.1789, 23.5437



5.1474, 5.2776, 5.2998



10.3623, 6.4590, 0.7006



0.0805, 0.0662, 0.0085

Inverse Universe

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



21.7928, 23.3680, 27.0290



38.1486, 41.1088, 48.3073



21.1183, 22.0190, 26.8042



5.0482, 5.4393, 6.3897



8.1018, 9.4739, 23.4473



0.0667, 0.0886, 0.1600

Previews

White Background



This preview shows how the XYZ color 22.1299, 22.8159, 23.3162 looks on a white background.

Color Contrast Check

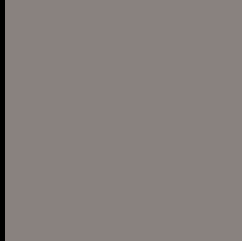
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1299, 22.8159, 23.3162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

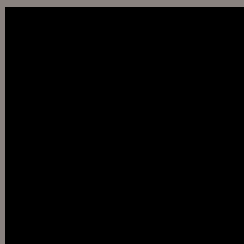
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

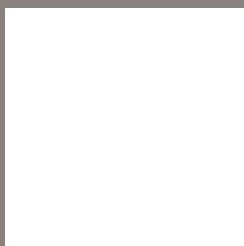
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.1299, 22.8159, 23.3162

Background



This preview shows how black text looks on a background with the XYZ color 22.1299, 22.8159, 23.3162.



This preview shows how white text looks on a background with the XYZ color 22.1299, 22.8159,

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

22.1299, 22.8159, 23.3162

Protanopia

21.9387, 22.9158, 23.3456

Deuteranopia

23.1627, 22.7570, 23.5938



Tritanopia

22.9541, 22.7623, 27.2285

Trichromacy



Original Color

22.1299, 22.8159, 23.3162

Protanomaly

22.1004, 22.9991, 23.3531

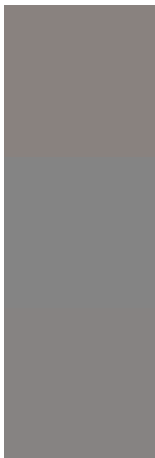
Deuteranomaly

22.7708, 22.7476, 23.6127

Tritanomaly

22.6346, 22.8250, 25.7670

Monochromacy



Original Color

22.1299, 22.8159, 23.3162

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.9771, 22.9126, 24.3834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1299, 22.8159, 23.3162 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(137, 130, 127)` looks like.

```
.text, #text, p{  
    color:rgb(137, 130, 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(137, 130, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 130, 127) }
```

Border

The CSS property to change the border of an element to XYZ 22.1299, 22.8159, 23.3162 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(137, 130, 127) }
```


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

```
.border{ border-color:rgb(137, 130, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 130, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 130, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 130, 127);  
box-shadow:4px 4px 4px 4px rgb(137, 130,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1299, 22.8159, 23.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 130, 127) }
```

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

```
.background{ background-color: rgb(137,  
130, 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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