

Converting Colors

XYZ(22.7377, 22.8279, 28.0182)

Have a look what the booklet for
XYZ(22.7377, 22.8279, 28.0182)
contains.

XYZ(22.7372, 22.8282, 28.0188)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.7372, 22.8282,
28.0188)**

Conversions

Conversions Part 1

Format	Color
Hex	88818C
RGB	136, 129, 140
RGB Percent	53%, 51%, 55%
CMY	0.4667, 0.4941, 0.4510
CMYK	0.03, 0.08, 0.00, 0.45
HSL	278°, 5%, 53%
HSV	278°, 8%, 55%
XYZ	22.7372, 22.8282, 28.0188
YIQ	132.3470, 0.6410, 4.9050

Conversions

Conversions Part 2

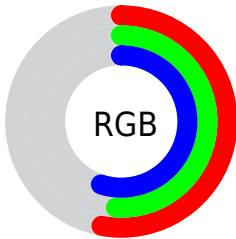
Format	Color
R _Y B	136, 129, 140
Decimal	8946060
CIE Lab	54.89, 4.80, -4.98
CIE LCh	55, 6.919, 313.981
Yxy	22.8282, 0.3090, 0.3102
Android (android.graphics.Color)	4287136140 (0xFF88818C)
YUV	132.3470, 3.7729, 3.2037
Hunter-Lab	47.7789, 1.3323, -1.3240

Details

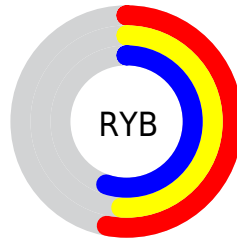
The XYZ color **22.7372, 22.8282, 28.0188** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.0142, 25.3283, 24.4459**, and the grayscale version is **22.0446, 23.1926, 25.2568**.

A 20% lighter version of the original color is **47.4518, 48.1698, 57.8356**, and **8.5519, 8.4539, 10.8539** is the 20% darker color. If you saturate the color by 10%, you get **20.2108, 18.9737, 27.4083**, and if you desaturate by 10%, it is **25.5570, 27.2103, 28.7164**.

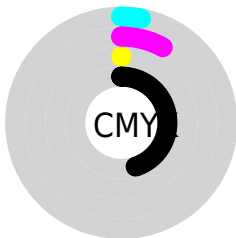
Distribution



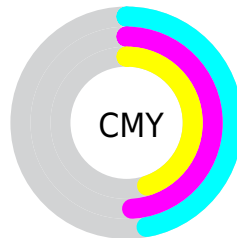
- Red (53%)
- Green (51%)
- Blue (55%)



- Red (53%)
- Yellow (51%)
- Blue (55%)



- Cyan (3%)
- Magenta (8%)
- Yellow (0%)
- Black (45%)



- Cyan (47%)
- Magenta (49%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7372, 22.8282, 28.0188 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 22.7372, 22.8282, 28.0188 by changing the saturation by 10% instead.

■ 22.7372, 22.8282,
28.0188

■ 22.7372, 22.8282,
28.0188

258.9329,
266.8414, 306.4715

■ 14.5192, 14.4667,
18.1007

■ 47.4313, 48.1111,
57.5379

■ 8.5668, 8.4460,
10.8521

■ 64.6381, 65.8012,
77.9760

■ 4.5145, 4.3816,
5.8545

■ 85.5719, 87.3698,
102.7578

■ 1.9971, 1.8892,
2.6895

110.5980,
113.2010, 132.3018

■ 0.6324, 0.5419,
0.9381

140.0818,
143.6794, 167.0267

■ 0.0000, 0.0000,
0.0000

174.3887,

179.1893, 207.3509

213.8839,
220.1152, 253.6930

■ 22.7372, 22.8282,
28.0188

■ 22.7372, 22.8282,
28.0188

■ 20.2108, 18.9737,
27.4083

■ 25.5570, 27.2103,
28.7164

■ 17.9649, 15.6232,
26.8800

■ 28.6782, 32.1365,
29.5027

■ 15.9888, 12.7555,
26.4306

■ 32.1112, 37.6265,
30.3814

■ 14.2702, 10.3469,
26.0563

■ 35.8652, 43.6977,
31.3554

■ 12.7957, 8.3715,
25.7527

■ 39.9489, 50.3670,
32.4275

■ 11.5508, 6.8010,
25.5152

■ 44.3709, 57.6507,
33.6004

■ 10.5189, 5.6033,
25.3384

■ 49.1392, 65.5642,
34.8765

■ 9.6811, 4.7416,
25.2162

■ 54.2616, 74.1226,
36.2584

■ 8.9996, 4.1410,
25.1362

■ 59.7446, 83.3377,
37.7482

Harmonies

Analogous

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



22.0556, 22.8282, 29.1812



22.7372, 22.8282, 28.0188



23.1452, 22.8282, 26.0391

Triad

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



22.7372, 22.8282, 28.0188



22.1068, 22.8282, 21.0156



20.2985, 22.8282, 25.8899

Complementary

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



22.7372, 22.8282, 28.0188



23.0142, 25.3283, 24.4459

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.



20.3115, 22.8282, 23.7093



22.7372, 22.8282, 28.0188



21.3434, 22.8282, 20.9808

Square

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



22.7372, 22.8282, 28.0188



22.7755, 22.8282, 22.0385



20.6900, 22.8282, 21.9407



20.6541, 22.8282, 27.9040

Rectangle

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



22.7372, 22.8282, 28.0188



23.2013, 22.8282, 24.5641



20.6900, 22.8282, 21.9407



20.2601, 22.8282, 25.1503

Sweetspot

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



22.7379, 22.8292, 28.0193



42.9129, 44.6236, 50.0944



22.1799, 23.3457, 28.1484



9.9036, 10.3063, 11.5468



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



22.7379, 22.8292, 28.0193



39.4636, 39.2887, 49.2465



23.2923, 23.1274, 27.4845



5.0604, 5.0396, 6.3119



7.8956, 3.5845, 22.3214



0.0686, 0.0321, 0.1490

Inverse Universe

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



22.8999, 22.9704, 25.4182



39.7993, 39.5801, 43.9114



22.4928, 25.0481, 24.9340



5.1032, 5.0767, 5.6317



10.1480, 5.1693, 3.2839



0.0740, 0.0370, 0.0565

Previews

White Background



This preview shows how the XYZ color 22.7372, 22.8282, 28.0188 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 22.7372, 22.8282, 28.0188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

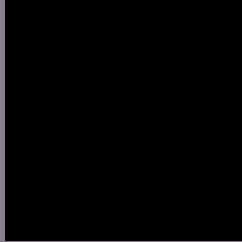
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.7372, 22.8282, 28.0188

Background



This preview shows how black text looks on a background with the XYZ color 22.7372, 22.8282, 28.0188.

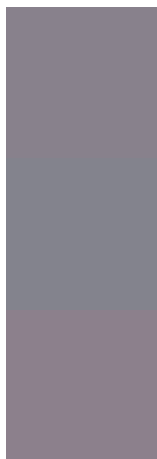


This preview shows how white text looks on a background with the XYZ color 22.7372, 22.8282,

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

22.7372, 22.8282, 28.0188

Protanopia

22.2841, 22.9810, 28.4606

Deuteranopia

23.2680, 22.9072, 28.0061



Tritanopia

22.6638, 22.7988, 27.6322

Trichromacy



Original Color

22.7372, 22.8282, 28.0188

Protanomaly

22.4632, 22.8749, 28.4307

Deuteranomaly

23.1003, 22.8208, 27.9983

Tritanomaly

22.6638, 22.7988, 27.6322

Monochromacy



Original Color

22.7372, 22.8282, 28.0188

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.1623, 22.9684, 26.1869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7372, 22.8282, 28.0188 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, 129, 140)` looks like.

```
.text, #text, p{  
    color:rgb(136, 129, 140)  
}
```

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, 129, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 129, 140) }
```

Border

The CSS property to change the border of an element to XYZ 22.7372, 22.8282, 28.0188 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, 129, 140) }
```


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

```
.border{ border-color:rgb(136, 129, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 129, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 129, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 129, 140);  
box-shadow:4px 4px 4px 4px rgb(136, 129,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7372, 22.8282, 28.0188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 129, 140) }
```

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

```
.background{ background-color: rgb(136,  
129, 140) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor