

Converting Colors

XYZ(27.7516, 27.6782, 28.7812)

Have a look what the booklet for
XYZ(27.7516, 27.6782, 28.7812)
contains.

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Color

**XYZ(27.8220, 27.7175,
28.6946)**

Conversions

Conversions Part 1

Format	Color
Hex	9C8C8C
RGB	156, 140, 140
RGB Percent	61%, 55%, 55%
CMY	0.3882, 0.4510, 0.4510
CMYK	0.00, 0.10, 0.10, 0.39
HSL	0°, 7%, 58%
HSV	0°, 10%, 61%
XYZ	27.8220, 27.7175, 28.6946
YIQ	144.7840, 9.5360, 3.3920

Conversions

Conversions Part 2

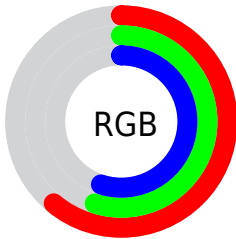
Format	Color
R_{YB}	156, 140, 140
Decimal	10259596
CIE _{Lab}	59.63, 5.98, 2.17
CIE _{LCh}	60, 6.366, 19.976
Yxy	27.7175, 0.3303, 0.3291
Android (android.graphics.Color)	4288449676 (0xFF9C8C8C)
YUV	144.7840, -2.3585, 9.8364
Hunter-Lab	52.6474, 2.1970, 4.5382

Details

The XYZ color **27.8220, 27.7175, 28.6946** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **28.7044, 31.7522, 36.0687**, and the grayscale version is **26.8331, 28.2306, 30.7431**.

A 20% lighter version of the original color is **55.7814, 56.2827, 58.3757**, and **11.3273, 11.0538, 11.2094** is the 20% darker color. If you saturate the color by 10%, you get **24.6326, 23.0507, 22.3530**, and if you desaturate by 10%, it is **31.4991, 33.0981, 36.0041**.

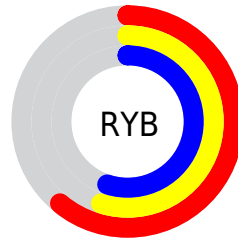
Distribution



Red (61%)

Green (55%)

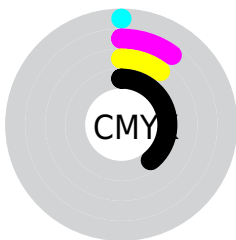
Blue (55%)



Red (61%)

Yellow (55%)

Blue (55%)

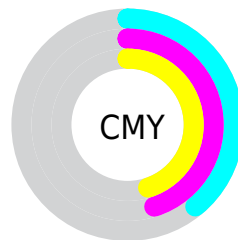


Cyan (0%)

Magenta (10%)

Yellow (10%)

Black (39%)



Cyan (39%)

Magenta (45%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8220, 27.7175, 28.6946 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 27.8220, 27.7175, 28.6946 by changing the saturation by 10% instead.

■ 27.8220, 27.7175,
28.6946

■ 27.8220, 27.7175,
28.6946

283.7109,
291.1146, 309.7870

■ 18.3313, 18.1128,
18.6063

■ 55.6108, 56.0331,
58.6279

■ 11.2892, 11.0310,
11.2122

■ 74.6395, 75.5128,
79.3100

■ 6.3304, 6.0877,
6.0938

■ 97.5784, 99.0530,
104.3605

■ 3.0896, 2.8985,
2.8325

124.7926,
127.0380, 134.1978

■ 1.2013, 1.0790,
1.0098

156.6476,
159.8523, 169.2406

■ 0.1074, 0.0000,
0.0000

193.5088,

■ 0.0000, 0.0000,

197.8802, 209.9074

0.0000

235.7414,
241.5062, 256.6166

■ 27.8220, 27.7175,
28.6946

■ 27.8220, 27.7175,
28.6946

■ 24.6326, 23.0507,
22.3530

■ 31.4991, 33.0981,
36.0041

■ 21.9083, 19.0643,
16.9370

■ 35.6808, 39.2169,
44.3178

■ 19.6280, 15.7277,
12.4039

■ 40.3860, 46.1016,
53.6722

■ 17.7683, 13.0064,
8.7069

■ 45.6318, 53.7774,
64.1016

■ 16.3035, 10.8628,
5.7950

■ 51.4347, 62.2683,
75.6388

■ 15.2049, 9.2553,
3.6114

■ 57.8104, 71.5974,
88.3149

■ 14.4405, 8.1365,
2.0920

■ 64.7741, 81.7868,
102.1600

■ 13.9721, 7.4511,
1.1613

■ 67.5204, 85.8080,
107.6116

■ 13.7107, 7.0685,
0.6417

Harmonies

Analogous

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



27.8939, 27.7175, 30.9556



27.8220, 27.7175, 28.6946



27.3498, 27.7175, 26.9197

Triad

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



27.8220, 27.7175, 28.6946



25.1803, 27.7175, 27.4253



26.0769, 27.7175, 34.7450

Complementary

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



27.8220, 27.7175, 28.6946



28.7044, 31.7522, 36.0687

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.



25.3645, 27.7175, 33.6927



27.8220, 27.7175, 28.6946



24.8538, 27.7175, 29.4168

Square

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



27.8220, 27.7175, 28.6946



25.8209, 27.7175, 26.2130



24.9206, 27.7175, 31.7151



26.8755, 27.7175, 34.5275

Rectangle

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



27.8220, 27.7175, 28.6946



26.8767, 27.7175, 26.2142



24.9206, 27.7175, 31.7151



25.8197, 27.7175, 34.5261

Sweetspot

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



27.8228, 27.7187, 28.6952



55.2479, 57.2428, 61.4906



29.0895, 28.2248, 35.3676



12.0406, 12.4256, 13.2993



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



27.8228, 27.7187, 28.6952



49.3166, 48.5638, 49.6986



29.0342, 30.1416, 29.0990



6.6332, 6.6463, 6.9189



11.2933, 5.8223, 0.5286



0.2020, 0.1041, 0.0095

Inverse Universe

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



28.7044, 31.7522, 36.0687



51.2018, 57.1892, 65.4667



27.4063, 29.1560, 35.6360



6.8218, 7.5093, 8.4966



14.7317, 21.5550, 29.2913



0.2634, 0.3855, 0.5237

Previews

White Background



This preview shows how the XYZ color 27.8220, 27.7175, 28.6946 looks on a white background.

Color Contrast Check

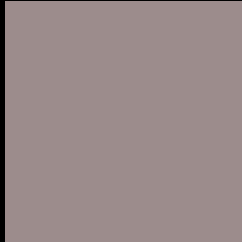
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8220, 27.7175, 28.6946 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 27.8220, 27.7175, 28.6946

Background



This preview shows how black text looks on a background with the XYZ color 27.8220, 27.7175, 28.6946.



This preview shows how white text looks on a background with the XYZ color 27.8220, 27.7175,

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

27.8220, 27.7175, 28.6946

Protanopia

26.7376, 27.8010, 29.5481

Deuteranopia

28.2643, 27.7296, 28.6736



Tritanopia

28.5621, 27.8033, 32.2950

Trichromacy



Original Color

27.8220, 27.7175, 28.6946

Protanomaly

27.0584, 27.7531, 29.1301

Deuteranomaly

28.0668, 27.6278, 28.6644

Tritanomaly

28.3256, 27.7087, 31.0495

Monochromacy



Original Color

27.8220, 27.7175, 28.6946

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.1748, 28.0177, 29.9623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8220, 27.7175, 28.6946 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(156, 140, 140)` looks like.

```
.text, #text, p{  
    color:rgb(156, 140, 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(156, 140, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 140, 140) }
```

Border

The CSS property to change the border of an element to XYZ 27.8220, 27.7175, 28.6946 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(156, 140, 140) }
```


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

```
.border{ border-color:rgb(156, 140, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 140, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 140, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 140, 140);  
box-shadow:4px 4px 4px 4px rgb(156, 140,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8220, 27.7175, 28.6946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 140, 140) }
```

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

```
.background{ background-color: rgb(156,  
140, 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](#).

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