

Converting Colors

XYZ(29.8246, 27.9875, 27.2267)

Have a look what the booklet for
XYZ(29.8246, 27.9875, 27.2267)
contains.

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Color

**XYZ(29.8257, 27.9319,
27.1120)**

Conversions

Conversions Part 1

Format	Color
Hex	AA8888
RGB	170, 136, 136
RGB Percent	67%, 53%, 53%
CMY	0.3333, 0.4667, 0.4667
CMYK	0.00, 0.20, 0.20, 0.33
HSL	0°, 17%, 60%
HSV	0°, 20%, 67%
XYZ	29.8257, 27.9319, 27.1120
YIQ	146.1660, 20.2640, 7.2080

Conversions

Conversions Part 2

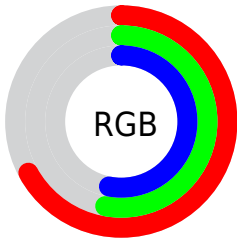
Format	Color
R_{YB}	170, 136, 136
Decimal	11176072
CIE _{Lab}	59.83, 12.93, 4.91
CIE _{LCh}	60, 13.832, 20.802
Yxy	27.9319, 0.3514, 0.3291
Android (android.graphics.Color)	4289366152 (0xFFAA8888)
YUV	146.1660, -5.0118, 20.9024
Hunter-Lab	52.8506, 8.2460, 6.5801

Details

The XYZ color **29.8257, 27.9319, 27.1120** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **31.7836, 36.8853, 43.4750**, and the grayscale version is **27.4044, 28.8315, 31.3975**.

A 20% lighter version of the original color is **58.7469, 56.2381, 55.9028**, and **12.3436, 11.1094, 10.2978** is the 20% darker color. If you saturate the color by 10%, you get **26.5050, 23.0730, 20.5096**, and if you desaturate by 10%, it is **33.7193, 33.6294, 34.8514**.

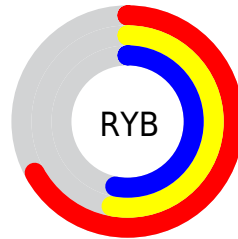
Distribution



Red (67%)

Green (53%)

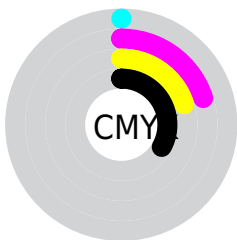
Blue (53%)



Red (67%)

Yellow (53%)

Blue (53%)

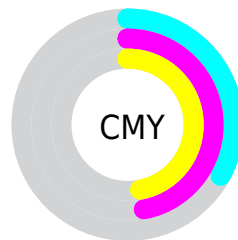


Cyan (0%)

Magenta (20%)

Yellow (20%)

Black (33%)



Cyan (33%)

Magenta (47%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8257, 27.9319, 27.1120 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 29.8257, 27.9319, 27.1120 by changing the saturation by 10% instead.

■ 29.8257, 27.9319,
27.1120

■ 29.8257, 27.9319,
27.1120

293.0156,
292.1414, 301.9763

■ 19.8537, 18.2743,
17.4242

■ 58.7749, 56.3757,
56.0695

■ 12.3964, 11.1471,
10.3722

■ 78.4829, 75.9307,
76.1762

■ 7.0884, 6.1659,
5.5376

■ 102.1670, 99.5537,
100.5929

■ 3.5643, 2.9462,
2.5018

130.1925,
127.6290, 129.7383

■ 1.4587, 1.1037,
0.8411

162.9247,
160.5410, 164.0307

■ 0.2975, 0.0000,
0.0000

200.7291,

■ 0.0000, 0.0000,

198.6741, 203.8889

0.0000

243.9709,
242.4128, 249.7312

■ 29.8257, 27.9319,
27.1120

■ 29.8257, 27.9319,
27.1120

■ 26.5050, 23.0730,
20.5096

■ 33.7193, 33.6294,
34.8514

■ 23.7281, 19.0095,
14.9892

■ 38.2085, 40.1984,
43.7761

■ 21.4666, 15.7003,
10.4936

■ 43.3178, 47.6747,
53.9335

■ 19.6888, 13.0989,
6.9596

■ 49.0695, 56.0909,
65.3680

■ 18.3596, 11.1537,
4.3173

■ 55.4848, 65.4781,
78.1219

■ 17.4389, 9.8064,
2.4871

■ 62.5839, 75.8660,
92.2352

■ 16.8796, 8.9879,
1.3755

■ 70.3860, 87.2827,
107.7452

■ 16.5779, 8.5465,
0.7759

■ 70.3877, 87.2861,
107.7458

■ 16.5779, 8.5464,
0.7759

Harmonies

Analogous

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



30.0167, 27.9319, 31.9824



29.8257, 27.9319, 27.1120



28.7362, 27.9319, 23.5287

Triad

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



29.8257, 27.9319, 27.1120



24.0210, 27.9319, 24.7110



26.0133, 27.9319, 40.9723

Complementary

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



29.8257, 27.9319, 27.1120



31.7836, 36.8853, 43.4750

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.



24.4746, 27.9319, 38.5243



29.8257, 27.9319, 27.1120



23.3582, 27.9319, 28.8960

Square

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



29.8257, 27.9319, 27.1120



25.3693, 27.9319, 22.2521



23.5205, 27.9319, 33.9718



27.7636, 27.9319, 40.3592

Rectangle

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



29.8257, 27.9319, 27.1120



27.6723, 27.9319, 22.1771



23.5205, 27.9319, 33.9718



25.4554, 27.9319, 40.4709

Sweetspot

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



29.8265, 27.9332, 27.1126



64.2177, 65.4621, 69.2736



32.6378, 29.0571, 41.9190



14.2092, 14.4350, 15.2264



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



29.8265, 27.9332, 27.1126



51.3184, 46.5869, 43.6299



32.4131, 33.1065, 27.9748



7.5312, 7.5424, 7.8482



12.1948, 6.2868, 0.5707



0.2967, 0.1530, 0.0139

Inverse Universe

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



31.7836, 36.8853, 43.4750



55.5228, 65.8179, 78.7797



28.8007, 30.9194, 42.4807



7.7475, 8.5320, 9.6568



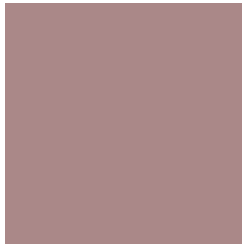
15.9097, 23.2795, 31.6304



0.3871, 0.5664, 0.7696

Previews

White Background



This preview shows how the XYZ color 29.8257, 27.9319, 27.1120 looks on a white background.

Color Contrast Check

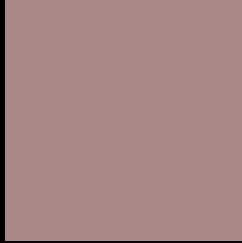
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8257, 27.9319, 27.1120 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 29.8257, 27.9319, 27.1120

Background



This preview shows how black text looks on a background with the XYZ color 29.8257, 27.9319, 27.1120.



This preview shows how white text looks on a background with the XYZ color 29.8257, 27.9319,

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

29.8257, 27.9319, 27.1120

Protanopia

26.9196, 28.1359, 28.8229

Deuteranopia

28.5061, 27.8959, 26.8037



Tritanopia

30.5694, 28.0302, 30.5873

Trichromacy



Original Color

29.8257, 27.9319, 27.1120

Protanomaly

27.8954, 27.9818, 28.3569

Deuteranomaly

28.9787, 27.9256, 26.7845

Tritanomaly

30.3410, 27.9389, 29.3848

Monochromacy



Original Color

29.8257, 27.9319, 27.1120

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.0731, 28.2676, 29.5678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8257, 27.9319, 27.1120 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(170, 136, 136)` looks like.

```
.text, #text, p{  
    color:rgb(170, 136, 136)  
}
```

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(170, 136, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 136, 136) }
```

Border

The CSS property to change the border of an element to XYZ 29.8257, 27.9319, 27.1120 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(170, 136, 136) }
```


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

```
.border{ border-color:rgb(170, 136, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 136, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 136, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 136, 136);  
box-shadow:4px 4px 4px 4px rgb(170, 136,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8257, 27.9319, 27.1120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 136, 136) }
```

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

```
.background{ background-color: rgb(170,  
136, 136) }
```

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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