

Converting Colors

XYZ(29.8561, 28.1233, 51.1118)

Have a look what the booklet for
XYZ(29.8561, 28.1233, 51.1118)
contains.

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Color

**XYZ(29.7039, 27.9824,
50.8493)**

Conversions

Conversions Part 1

Format	Color
Hex	908BBB
RGB	144, 139, 187
RGB Percent	56%, 55%, 73%
CMY	0.4353, 0.4549, 0.2667
CMYK	0.23, 0.26, 0.00, 0.27
HSL	246°, 26%, 64%
HSV	246°, 26%, 73%
XYZ	29.7039, 27.9824, 50.8493
YIQ	145.9670, -12.4280, 15.9880

Conversions

Conversions Part 2

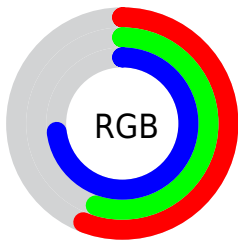
Format	Color
RYB	144, 139, 187
Decimal	9472955
CIELab	59.87, 12.27, -24.35
CIELCh	60, 27.270, 296.741
Yxy	27.9824, 0.2737, 0.2578
Android (android.graphics.Color)	4287663035 (0xFF908BBB)
YUV	145.9670, 20.2293, -1.7251
Hunter-Lab	52.8984, 7.6605, -19.9644

Details

The XYZ color **29.7039, 27.9824, 50.8493** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **41.7227, 47.3504, 31.3678**, and the grayscale version is **27.2323, 28.6505, 31.2004**.

A 20% lighter version of the original color is **58.3160, 56.1761, 92.5635**, and **12.3897, 11.1931, 24.0617** is the 20% darker color. If you saturate the color by 10%, you get **24.5124, 21.6251, 49.8963**, and if you desaturate by 10%, it is **35.7946, 35.4921, 51.9783**.

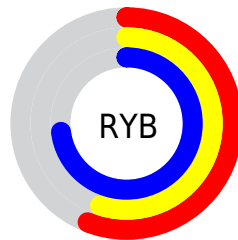
Distribution



Red (56%)

Green (55%)

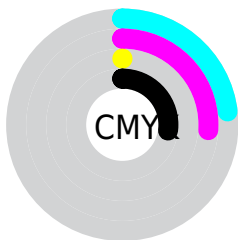
Blue (73%)



Red (56%)

Yellow (55%)

Blue (73%)

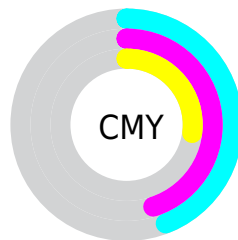


Cyan (23%)

Magenta (26%)

Yellow (0%)

Black (27%)



Cyan (44%)

Magenta (45%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7039, 27.9824, 50.8493 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 29.7039, 27.9824, 50.8493 by changing the saturation by 10% instead.

■ 29.7039, 27.9824,
50.8493

■ 29.7039, 27.9824,
50.8493

292.4565,
292.3828, 406.8078

■ 19.7609, 18.3124,
35.7128

■ 58.5834, 56.4563,
92.8412

■ 12.3286, 11.1745,
23.9245

■ 78.2507, 76.0291,
120.5337

■ 7.0417, 6.1843,
15.0660

■ 101.8901, 99.6715,
153.2485

■ 3.5347, 2.9575,
8.7186

129.8670,
127.7680, 191.4043

■ 1.4424, 1.1096,
4.4638

162.5467,
160.7030, 235.4196

■ 0.2862, 0.0000,
1.8831

200.2946,

■ 0.0000, 0.0000,

198.8609, 285.7130

0.4819

243.4761,
242.6260, 342.7028

■ 0.0000, 0.0000,
0.0000

■ 29.7039, 27.9824,
50.8493

■ 29.7039, 27.9824,
50.8493

■ 24.5124, 21.6251,
49.8963

■ 35.7946, 35.4921,
51.9783

■ 20.1747, 16.3598,
49.1086

■ 42.8214, 44.2037,
53.2894

■ 16.6456, 12.1258,
48.4774

■ 50.8228, 54.1681,
54.7910

■ 13.8746, 8.8551,
47.9921

■ 59.8339, 65.4322,
56.4903

■ 11.8055, 6.4714,
47.6411

■ 69.8884, 78.0404,
58.3940

■ 10.3740, 4.8869,
47.4107

■ 81.0182, 92.0351,
60.5086

■ 9.5027, 3.9932,
47.2841

■ 85.9697, 96.3679,
61.0840

■ 9.2477, 3.7312,
47.2470

Harmonies

Analogous

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



26.2200, 27.9824, 53.7259



29.7039, 27.9824, 50.8493



32.5569, 27.9824, 42.1582

Triad

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



29.7039, 27.9824, 50.8493



30.4147, 27.9824, 17.1507



20.4915, 27.9824, 29.3977

Complementary

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



29.7039, 27.9824, 50.8493



41.7227, 47.3504, 31.3678

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.



21.4118, 27.9824, 21.1673



29.7039, 27.9824, 50.8493



26.9764, 27.9824, 15.1290

Square

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



29.7039, 27.9824, 50.8493



32.9916, 27.9824, 22.6733



23.7136, 27.9824, 16.4228



21.0862, 27.9824, 39.8713

Rectangle

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



29.7039, 27.9824, 50.8493



33.6122, 27.9824, 35.0505



23.7136, 27.9824, 16.4228



20.6319, 27.9824, 26.3035

Sweetspot

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



29.7048, 27.9835, 50.8499



73.4342, 75.1214, 94.8309



36.3869, 42.6154, 53.3220



15.7413, 16.0093, 20.8030



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



29.7048, 27.9835, 50.8499



47.5847, 43.2302, 90.0377



34.3091, 30.3571, 51.0654



9.1063, 9.2717, 11.9819



6.4019, 2.5864, 32.5547



0.2820, 0.1174, 1.2767

Inverse Universe

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



38.1704, 32.4085, 48.5004



65.4634, 52.5800, 84.8633



36.5713, 44.6948, 31.1267



9.8860, 9.6787, 11.7885



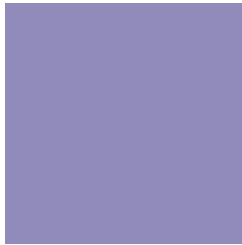
18.9752, 9.2212, 26.2266



0.7557, 0.3662, 1.0930

Previews

White Background



This preview shows how the XYZ color 29.7039, 27.9824, 50.8493 looks on a white background.

Color Contrast Check

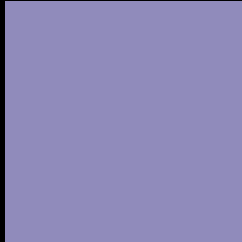
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7039, 27.9824, 50.8493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

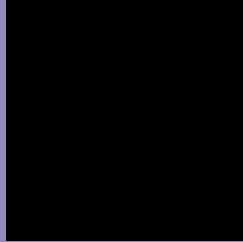
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.7039, 27.9824, 50.8493

Background



This preview shows how black text looks on a background with the XYZ color 29.7039, 27.9824, 50.8493.



This preview shows how white text looks on a background with the XYZ color 29.7039, 27.9824,

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

29.7039, 27.9824, 50.8493

Protanopia

28.3273, 27.8890, 52.6053

Deuteranopia

28.6893, 28.1254, 50.3710



Tritanopia

26.6074, 28.0544, 35.4652

Trichromacy



Original Color

29.7039, 27.9824, 50.8493

Protanomaly

28.8635, 27.9581, 52.0193

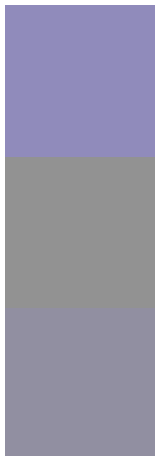
Deuteranomaly

29.0353, 28.0839, 50.3448

Tritanomaly

27.6127, 28.0104, 40.5104

Monochromacy



Original Color

29.7039, 27.9824, 50.8493

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.9325, 28.2379, 37.6965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7039, 27.9824, 50.8493 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, 139, 187)` looks like.

```
.text, #text, p{  
    color:rgb(144, 139, 187)  
}
```

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, 139, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 139, 187) }
```

Border

The CSS property to change the border of an element to XYZ 29.7039, 27.9824, 50.8493 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, 139, 187) }
```


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

```
.border{ border-color:rgb(144, 139, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 139, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 139, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 139, 187);  
box-shadow:4px 4px 4px 4px rgb(144, 139,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7039, 27.9824, 50.8493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 139, 187) }
```

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

```
.background{ background-color: rgb(144,  
139, 187) }
```

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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