

Converting Colors

XYZ(28.7031, 29.1213, 37.7553)

Have a look what the booklet for
XYZ(28.7031, 29.1213, 37.7553)
contains.

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Color

**XYZ(28.7712, 29.1199,
37.8225)**

Conversions

Conversions Part 1

Format	Color
Hex	9491A1
RGB	148, 145, 161
RGB Percent	58%, 57%, 63%
CMY	0.4196, 0.4314, 0.3686
CMYK	0.08, 0.10, 0.00, 0.37
HSL	251°, 8%, 60%
HSV	251°, 10%, 63%
XYZ	28.7712, 29.1199, 37.8225
YIQ	147.7210, -3.3480, 5.6120

Conversions

Conversions Part 2

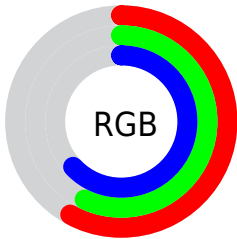
Format	Color
R_{YB}	148, 145, 161
Decimal	9736609
CIE Lab	60.89, 4.31, -8.03
CIE LCh	61, 9.111, 298.224
Yxy	29.1199, 0.3006, 0.3042
Android (android.graphics.Color)	4287926689 (0xFF9491A1)
YUV	147.7210, 6.5465, 0.2447
Hunter-Lab	53.9629, 0.7353, -3.7823

Details

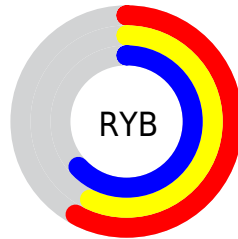
The XYZ color **28.7712, 29.1199, 37.8225** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.9572, 34.8039, 31.8229**, and the grayscale version is **28.0075, 29.4660, 32.0885**.

A 20% lighter version of the original color is **57.1752, 58.3613, 73.2171**, and **11.7823, 11.8299, 16.1304** is the 20% darker color. If you saturate the color by 10%, you get **24.2493, 23.3925, 36.9558**, and if you desaturate by 10%, it is **33.9110, 35.6850, 38.8192**.

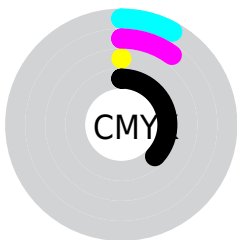
Distribution



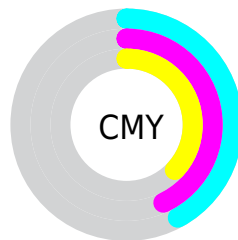
- Red (58%)
- Green (57%)
- Blue (63%)



- Red (58%)
- Yellow (57%)
- Blue (63%)



- Cyan (8%)
- Magenta (10%)
- Yellow (0%)
- Black (37%)



- Cyan (42%)
- Magenta (43%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7712, 29.1199, 37.8225 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 28.7712, 29.1199, 37.8225 by changing the saturation by 10% instead.

■ 28.7712, 29.1199,
37.8225

■ 28.7712, 29.1199,
37.8225

288.1476,
297.7803, 352.1333

■ 19.0512, 19.1715,
25.5442

■ 57.1134, 58.2675,
73.0364

■ 11.8115, 11.7943,
16.2603

■ 76.4664, 78.2356,
96.8091

■ 6.6867, 6.6038,
9.5522

99.7611, 102.3123,
125.2503

■ 3.3116, 3.2156,
5.0014

127.3629,
130.8822, 158.7786

■ 1.3206, 1.2453,
2.1893

159.6370,
164.3295, 197.8125

■ 0.1985, 0.0982,
0.6682

196.9490,

■ 0.0000, 0.0000,

203.0387, 242.7705

0.0000

239.6640,
247.3941, 294.0713

■ 28.7712, 29.1199,
37.8225

■ 28.7712, 29.1199,
37.8225

■ 24.2493, 23.3925,
36.9558

■ 33.9110, 35.6850,
38.8192

■ 20.3192, 18.4653,
36.2119

■ 39.6883, 43.1159,
39.9491

■ 16.9568, 14.3035,
35.5858

■ 46.1249, 51.4439,
41.2173

■ 14.1354, 10.8683,
35.0714

■ 53.2410, 60.6977,
42.6284

■ 11.8261, 8.1173,
34.6622

■ 61.0558, 70.9048,
44.1867

■ 9.9969, 6.0040,
34.3507

■ 69.5878, 82.0913,
45.8962

■ 8.6124, 4.4756,
34.1286

■ 77.9859, 92.5451,
47.4714

■ 7.6320, 3.4708,
33.9863

■ 82.5785, 94.9127,
47.6863

■ 6.9772, 2.8554,
33.9021

■ 83.4331, 95.3532,
47.7263

Harmonies

Analogous

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



27.6069, 29.1199, 38.6999



28.7712, 29.1199, 37.8225



29.6638, 29.1199, 35.2752

Triad

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



28.7712, 29.1199, 37.8225



28.8971, 29.1199, 26.4675



25.4582, 29.1199, 31.5045

Complementary

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



28.7712, 29.1199, 37.8225



31.9572, 34.8039, 31.8229

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.



25.7821, 29.1199, 28.3872



28.7712, 29.1199, 37.8225



27.7484, 29.1199, 25.6110

Square

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



28.7712, 29.1199, 37.8225



29.7379, 29.1199, 28.7144



26.6121, 29.1199, 26.2883



25.7147, 29.1199, 34.8998

Rectangle

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



28.7712, 29.1199, 37.8225



29.9729, 29.1199, 33.0596



26.6121, 29.1199, 26.2883



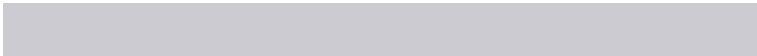
25.5026, 29.1199, 30.3911

Sweetspot

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



28.7721, 29.1211, 37.8231



57.7387, 60.0764, 68.9393



30.3492, 33.0702, 38.5023



12.5031, 12.9713, 15.0884



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



28.7721, 29.1211, 37.8231



49.5777, 49.6746, 67.3617



30.2568, 29.8865, 37.8926



6.8186, 6.9209, 8.8795



5.5963, 2.2915, 27.0771



0.1498, 0.0648, 0.5705

Inverse Universe

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



30.9958, 30.2977, 36.5634



54.4118, 52.2329, 64.5911



30.4466, 34.0251, 31.7522



7.3071, 7.1793, 8.6037



15.0153, 7.3622, 17.8031



0.3294, 0.1603, 0.4472

Previews

White Background



This preview shows how the XYZ color 28.7712, 29.1199, 37.8225 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 28.7712, 29.1199, 37.8225 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 28.7712, 29.1199, 37.8225

Background



This preview shows how black text looks on a background with the XYZ color 28.7712, 29.1199, 37.8225.



This preview shows how white text looks on a background with the XYZ color 28.7712, 29.1199,

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

28.7712, 29.1199, 37.8225

Protanopia

28.4775, 29.1861, 38.3150

Deuteranopia

29.5819, 29.0882, 37.7737



Tritanopia

28.3973, 29.1951, 36.0368

Trichromacy



Original Color

28.7712, 29.1199, 37.8225

Protanomaly

28.6545, 29.2774, 38.3233

Deuteranomaly

29.3552, 29.1951, 37.8063

Tritanomaly

28.4831, 29.2294, 36.4884

Monochromacy



Original Color

28.7712, 29.1199, 37.8225

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.3962, 29.4632, 34.3273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7712, 29.1199, 37.8225 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(148, 145, 161)` looks like.

```
.text, #text, p{  
    color:rgb(148, 145, 161)  
}
```

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(148, 145, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 145, 161) }
```

Border

The CSS property to change the border of an element to XYZ 28.7712, 29.1199, 37.8225 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(148, 145, 161) }
```


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

```
.border{ border-color:rgb(148, 145, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 145, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 145, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 145, 161);  
box-shadow:4px 4px 4px 4px rgb(148, 145,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7712, 29.1199, 37.8225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 145, 161) }
```

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

```
.background{ background-color: rgb(148,  
145, 161) }
```

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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