

Converting Colors

XYZ(29.4418, 37.2318, 37.5330)

Have a look what the booklet for
XYZ(29.4418, 37.2318, 37.5330)
contains.

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Color

**XYZ(29.4418, 37.2318,
37.5330)**

Conversions

Conversions Part 1

Format	Color
Hex	7AAF9D
RGB	122, 175, 157
RGB Percent	48%, 69%, 62%
CMY	0.5216, 0.3137, 0.3843
CMYK	0.30, 0.00, 0.10, 0.31
HSL	160°, 25%, 58%
HSV	160°, 30%, 69%
XYZ	29.4418, 37.2318, 37.5330
YIQ	157.1010, -25.8100, -16.8340

Conversions

Conversions Part 2

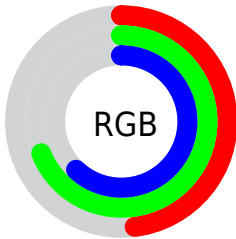
Format	Color
RYB	122, 154, 175
Decimal	8040349
CIELab	67.45, -21.39, 3.65
CIELCh	67, 21.702, 170.323
Yxy	37.2318, 0.2825, 0.3573
Android (android.graphics.Color)	4286230429 (0xFF7AAF9D)
YUV	157.1010, -0.0498, -30.7836
Hunter-Lab	61.0179, -20.6530, 6.2423

Details

The XYZ color **29.4418, 37.2318, 37.5330** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **29.3736, 24.9274, 28.0757**, and the grayscale version is **32.1026, 33.7744, 36.7804**.

A 20% lighter version of the original color is **58.3641, 71.1354, 72.9417**, and **12.1596, 16.2993, 16.1409** is the 20% darker color. If you saturate the color by 10%, you get **26.6885, 35.8706, 34.8197**, and if you desaturate by 10%, it is **32.6681, 38.8359, 40.3990**.

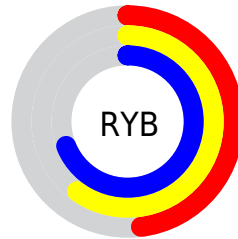
Distribution



Red (48%)

Green (69%)

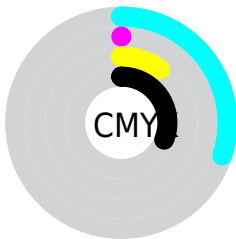
Blue (62%)



Red (48%)

Yellow (60%)

Blue (69%)

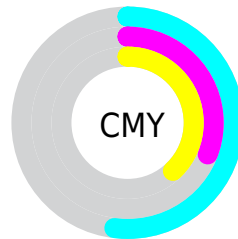


Cyan (30%)

Magenta (0%)

Yellow (10%)

Black (31%)



Cyan (52%)

Magenta (31%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4418, 37.2318, 37.5330 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 29.4418, 37.2318, 37.5330 by changing the saturation by 10% instead.

■ 29.4418, 37.2318,
37.5330

■ 29.4418, 37.2318,
37.5330

291.2506,
334.3130, 350.8503

■ 19.5612, 25.3870,
25.3214

■ 58.1710, 70.9292,
72.5872

■ 12.1829, 16.3656,
16.0955

■ 77.7504, 93.5505,
96.2670

■ 6.9415, 9.7833,
9.4367

■ 101.2934,
120.5328, 124.6066

■ 3.4715, 5.2555,
4.9264

129.1654,
152.2605, 158.0245

■ 1.4077, 2.3979,
2.1462

161.7317,
189.1180, 196.9392

■ 0.2617, 0.8248,
0.6430

199.3578,

■ 0.0000, 0.0000,

231.4897, 241.7695

0.0000

242.4090,
279.7599, 292.9336

■ 29.4418, 37.2318,
37.5330

■ 29.4418, 37.2318,
37.5330

■ 26.6885, 35.8706,
34.8197

■ 32.6681, 38.8359,
40.3990

■ 24.3808, 34.7354,
32.2535

■ 36.3868, 40.6900,
43.4178

■ 22.4931, 33.8139,
29.8322


■ 40.6199, 42.8064,
46.5932


■ 20.9961, 33.0910,
27.5526

■ 45.3873, 45.1952,
49.9278


■ 19.8561, 32.5495,
25.4111


■ 50.7077, 47.8661,
53.4240


 19.0337, 32.1692,
23.4039

 56.5987, 50.8281,
57.0843

 18.4577, 31.9121,
21.5770

 63.0775, 54.0901,
60.9112

 67.5362, 56.3075,
64.7842

 68.2656, 56.5992,
68.6249

Harmonies

Analogous

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



30.6834, 37.2318, 29.9189



29.4418, 37.2318, 37.5330



29.7147, 37.2318, 47.2496

Triad

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



29.4418, 37.2318, 37.5330



37.6592, 37.2318, 60.2889



39.6367, 37.2318, 27.9963

Complementary

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



29.4418, 37.2318, 37.5330



29.3736, 24.9274, 28.0757

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.



41.7404, 37.2318, 34.4961



29.4418, 37.2318, 37.5330



40.5499, 37.2318, 53.4151

Square

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



29.4418, 37.2318, 37.5330



34.3219, 37.2318, 61.4438



42.0847, 37.2318, 43.7016



36.4754, 37.2318, 25.0117

Rectangle

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



29.4418, 37.2318, 37.5330



30.7255, 37.2318, 53.6054



42.0847, 37.2318, 43.7016



40.4991, 37.2318, 29.7899

Sweetspot

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



29.4428, 37.2333, 37.5338



65.9748, 73.2758, 78.3852



29.7521, 37.6900, 24.1197



14.4360, 16.1727, 17.2451



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



29.4428, 37.2333, 37.5338



49.5082, 65.0859, 64.1081



29.5929, 34.8899, 45.7339



8.1190, 9.0251, 9.6514



13.2472, 22.8641, 15.6072



0.3927, 0.6457, 0.5617

Inverse Universe

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



29.3736, 24.9274, 28.0757



49.3688, 39.6665, 44.5886



29.1692, 26.4721, 21.9852



8.1133, 8.0586, 8.9075



13.2604, 6.7667, 3.7508



0.3949, 0.1987, 0.2414

Previews

White Background



This preview shows how the XYZ color 29.4418, 37.2318, 37.5330 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 29.4418, 37.2318, 37.5330 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 ✓ Pass

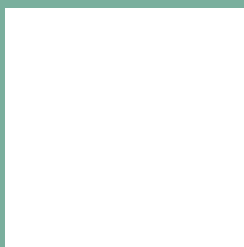
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.4418, 37.2318, 37.5330

Background



This preview shows how black text looks on a background with the XYZ color 29.4418, 37.2318, 37.5330.

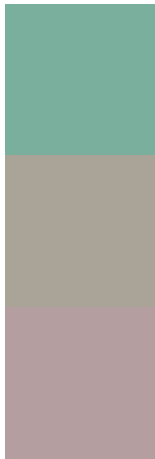


This preview shows how white text looks on a background with the XYZ color 29.4418, 37.2318,

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

29.4418, 37.2318, 37.5330

Protanopia

35.2607, 36.9748, 34.5566

Deuteranopia

37.6281, 36.8155, 38.3806



Tritanopia

32.2220, 37.2178, 51.3844

Trichromacy



Original Color

29.4418, 37.2318, 37.5330

Protanomaly

32.7054, 36.7096, 35.4989

Deuteranomaly

34.0307, 36.5277, 38.0578

Tritanomaly

31.0946, 37.0358, 46.0672

Monochromacy



Original Color

29.4418, 37.2318, 37.5330

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.8629, 34.9145, 37.0108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4418, 37.2318, 37.5330 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(122, 175, 157)` looks like.

```
.text, #text, p{  
    color:rgb(122, 175, 157)  
}
```

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(122, 175, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 175, 157) }
```

Border

The CSS property to change the border of an element to XYZ 29.4418, 37.2318, 37.5330 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(122, 175, 157) }
```


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

```
.border{ border-color:rgb(122, 175, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 175, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 175, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 175, 157);  
box-shadow:4px 4px 4px 4px rgb(122, 175,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4418, 37.2318, 37.5330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 175, 157) }
```

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

```
.background{ background-color: rgb(122,  
175, 157) }
```

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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