

Converting Colors

XYZ(31.4033, 37.0628, 41.3712)

Have a look what the booklet for
XYZ(31.4033, 37.0628, 41.3712)
contains.

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Color

**XYZ(31.4375, 37.0299,
41.5669)**

Conversions

Conversions Part 1

Format	Color
Hex	87ABA6
RGB	135, 171, 166
RGB Percent	53%, 67%, 65%
CMY	0.4706, 0.3294, 0.3490
CMYK	0.21, 0.00, 0.03, 0.33
HSL	172°, 18%, 60%
HSV	172°, 21%, 67%
XYZ	31.4375, 37.0299, 41.5669
YIQ	159.6660, -19.8510, -9.1870

Conversions

Conversions Part 2

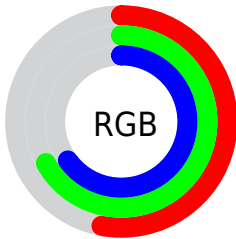
Format	Color
RYB	135, 154, 171
Decimal	8891302
CIELab	67.30, -13.26, -1.47
CIElCh	67, 13.345, 186.309
Yxy	37.0299, 0.2857, 0.3365
Android (android.graphics.Color)	4287081382 (0xFF87ABA6)
YUV	159.6660, 3.1227, -21.6321
Hunter-Lab	60.8522, -14.2746, 2.0967

Details

The XYZ color **31.4375, 37.0299, 41.5669** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.1935, 27.8803, 28.6026**, and the grayscale version is **33.2534, 34.9851, 38.0988**.

A 20% lighter version of the original color is **61.2338, 70.4320, 78.7740**, and **13.2902, 16.2934, 18.3641** is the 20% darker color. If you saturate the color by 10%, you get **28.6884, 35.6386, 40.3116**, and if you desaturate by 10%, it is **34.6347, 38.6537, 42.8658**.

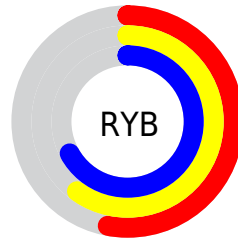
Distribution



Red (53%)

Green (67%)

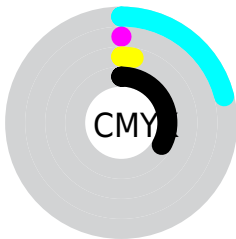
Blue (65%)



Red (53%)

Yellow (60%)

Blue (67%)

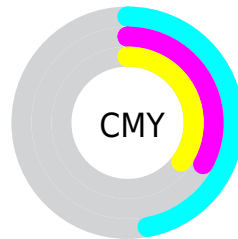


Cyan (21%)

Magenta (0%)

Yellow (3%)

Black (33%)



Cyan (47%)

Magenta (33%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4375, 37.0299, 41.5669 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 31.4375, 37.0299, 41.5669 by changing the saturation by 10% instead.

■ 31.4375, 37.0299,
41.5669

■ 31.4375, 37.0299,
41.5669

300.3399,
333.4400, 368.4310

■ 21.0857, 25.2306,
28.4393

■ 61.2994, 70.6188,
78.8067

■ 13.2995, 16.2490,
18.4151

■ 81.5402, 93.1772,
103.7560

■ 7.7135, 9.7005,
11.0759

■ 105.8080,
120.0907, 133.4829

■ 3.9624, 5.2008,
6.0031

134.4682,
151.7439, 168.4060

■ 1.6809, 2.3656,
2.7782

167.8861,
188.5210, 208.9438

■ 0.4443, 0.8081,
0.9825

206.4271,

■ 0.0000, 0.0000,

230.8064, 255.5149

0.0000

250.4566,
278.9846, 308.5378

■ 31.4375, 37.0299,
41.5669

■ 31.4375, 37.0299,
41.5669

■ 28.6884, 35.6386,
40.3116

■ 34.6347, 38.6537,
42.8658

■ 26.3632, 34.4644,
39.0963

■ 38.2964, 40.5155,
44.2067

■ 24.4400, 33.4970,
37.9205

■ 42.4423, 42.6264,
45.5916

■ 22.8939, 32.7236,
36.7832

■ 47.0897, 44.9954,
47.0213

■ 21.6973, 32.1298,
35.6827

■ 52.2554, 47.6311,
48.4967

■ 20.8183, 31.6993,
34.6176

■ 57.9551, 50.5416,
50.0187

■ 20.2198, 31.4130,
33.5859

■ 64.2040, 53.7348,
51.5881

■ 19.8491, 31.2414,
32.6878

■ 64.5616, 53.8904,
52.9035

■ 64.8146, 53.9916,
54.2359

Harmonies

Analogous

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



31.7231, 37.0299, 35.9697



31.4375, 37.0299, 41.5669



32.1271, 37.0299, 47.3472

Triad

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



31.4375, 37.0299, 41.5669



37.5711, 37.0299, 50.0713



36.7963, 37.0299, 30.8782

Complementary

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



31.4375, 37.0299, 41.5669



30.1935, 27.8803, 28.6026

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.



38.4539, 37.0299, 34.0236



31.4375, 37.0299, 41.5669



38.9132, 37.0299, 45.0060

Square

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



31.4375, 37.0299, 41.5669



35.6288, 37.0299, 52.5539



39.2423, 37.0299, 39.0969



34.7663, 37.0299, 30.1481

Rectangle

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



31.4375, 37.0299, 41.5669



33.0634, 37.0299, 50.4123



39.2423, 37.0299, 39.0969



37.4179, 37.0299, 31.6722

Sweetspot

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



31.4386, 37.0314, 41.5677



65.1640, 70.8184, 77.9453



29.8199, 36.4869, 28.3933



14.4407, 15.7464, 17.3486



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.



31.4386, 37.0314, 41.5677



54.0446, 65.1742, 73.4459



29.6387, 32.6828, 43.2762



8.1877, 9.0527, 10.0137



14.9771, 23.5561, 24.7168



0.4296, 0.6605, 0.7556

Inverse Universe

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



30.1935, 27.8803, 28.6026



51.4342, 45.9791, 46.2564



31.6963, 31.4629, 27.3246



8.0489, 8.0328, 8.5683



12.7951, 6.5806, 1.3007



0.3697, 0.1886, 0.1085

Previews

White Background



This preview shows how the XYZ color 31.4375, 37.0299, 41.5669 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 31.4375, 37.0299, 41.5669 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

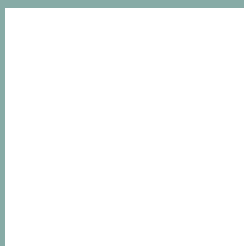
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4375, 37.0299, 41.5669

Background



This preview shows how black text looks on a background with the XYZ color 31.4375, 37.0299, 41.5669.

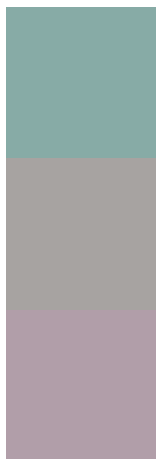


This preview shows how white text looks on a background with the XYZ color 31.4375, 37.0299,

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

31.4375, 37.0299, 41.5669

Protanopia

35.4666, 36.9831, 38.9874

Deuteranopia

37.5198, 36.6654, 42.6357



Tritanopia

33.1127, 37.1566, 49.6827

Trichromacy



Original Color

31.4375, 37.0299, 41.5669

Protanomaly

33.7646, 36.8853, 39.9903

Deuteranomaly

35.0654, 36.7029, 42.2820

Tritanomaly

32.5277, 37.2024, 46.5407

Monochromacy



Original Color

31.4375, 37.0299, 41.5669

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.5595, 35.7389, 39.3646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4375, 37.0299, 41.5669 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(135, 171, 166)` looks like.

```
.text, #text, p{  
    color:rgb(135, 171, 166)  
}
```

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(135, 171, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 171, 166) }
```

Border

The CSS property to change the border of an element to XYZ 31.4375, 37.0299, 41.5669 is called "border". The border property can be set on classes, ids or directly on the HTML element.

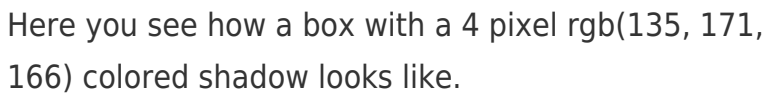
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 171, 166) }
```


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

```
.border{ border-color:rgb(135, 171, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 171, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 171, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 171, 166); box-shadow:4px 4px 4px 4px rgb(135, 171, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4375, 37.0299, 41.5669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 171, 166) }
```

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

```
.background{ background-color: rgb(135,  
171, 166) }
```

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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