

Converting Colors

XYZ(31.8880, 37.3738, 42.1171)

Have a look what the booklet for
XYZ(31.8880, 37.3738, 42.1171)
contains.

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Color

**XYZ(31.8545, 37.2342,
42.0672)**

Conversions

Conversions Part 1

Format	Color
Hex	89ABA7
RGB	137, 171, 167
RGB Percent	54%, 67%, 65%
CMY	0.4627, 0.3294, 0.3451
CMYK	0.20, 0.00, 0.02, 0.33
HSL	173°, 17%, 60%
HSV	173°, 20%, 67%
XYZ	31.8545, 37.2342, 42.0672
YIQ	160.3780, -18.9800, -8.4520

Conversions

Conversions Part 2

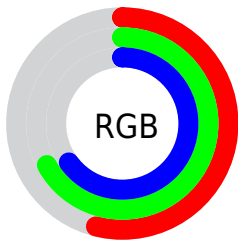
Format	Color
RYB	137, 155, 171
Decimal	9022375
CIELab	67.45, -12.40, -1.78
CIELCh	67, 12.528, 188.180
Yxy	37.2342, 0.2866, 0.3350
Android (android.graphics.Color)	4287212455 (0xFF89ABA7)
YUV	160.3780, 3.2646, -20.5025
Hunter-Lab	61.0198, -13.6014, 1.8392

Details

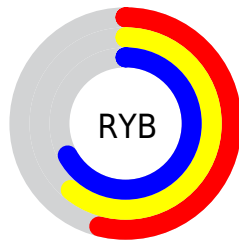
The XYZ color **31.8545, 37.2342, 42.0672** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.5493, 28.4734, 29.0867**, and the grayscale version is **33.5806, 35.3294, 38.4737**.

A 20% lighter version of the original color is **61.8670, 70.7430, 79.5013**, and **13.5291, 16.4099, 18.6740** is the 20% darker color. If you saturate the color by 10%, you get **29.0861, 35.8294, 40.9745**, and if you desaturate by 10%, it is **35.0722, 38.8723, 43.1976**.

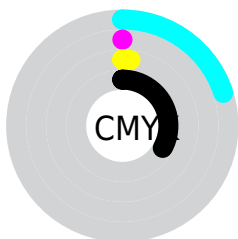
Distribution



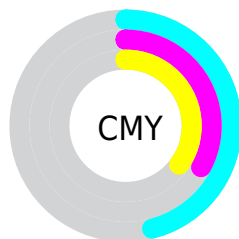
- Red (54%)
- Green (67%)
- Blue (65%)



- Red (54%)
- Yellow (61%)
- Blue (67%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (33%)



- Cyan (46%)
- Magenta (33%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8545, 37.2342, 42.0672 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 31.8545, 37.2342, 42.0672 by changing the saturation by 10% instead.

■ 31.8545, 37.2342,
42.0672

■ 31.8545, 37.2342,
42.0672

302.2130,
334.3234, 370.5693

■ 21.4054, 25.3889,
28.8279

■ 61.9497, 70.9328,
79.5725

■ 13.5348, 16.3670,
18.7062

■ 82.3264, 93.5549,
104.6756

■ 7.8774, 9.7842,
11.2836

■ 106.7431,
120.5381, 134.5705

■ 4.0677, 5.2561,
6.1413

135.5651,
152.2667, 169.6756

■ 1.7405, 2.3983,
2.8610

169.1577,
189.1251, 210.4095

■ 0.4814, 0.8250,
1.0241

207.8863,

■ 0.0000, 0.0000,

231.4978, 257.1907

0.0000

252.1163,
279.7691, 310.4378

■ 31.8545, 37.2342,
42.0672

■ 31.8545, 37.2342,
42.0672

■ 29.0861, 35.8294,
40.9745

■ 35.0722, 38.8723,
43.1976

■ 26.7430, 34.6424,
39.9159

■ 38.7556, 40.7491,
44.3643

■ 24.8036, 33.6633,
38.8913

■ 42.9240, 42.8757,
45.5689

■ 23.2432, 32.8792,
37.8993

■ 47.5949, 45.2609,
46.8123

■ 22.0346, 32.2762,
36.9386

■ 52.7846, 47.9133,
48.0954

■ 21.1465, 31.8381,
36.0077

■ 58.5091, 50.8410,
49.4190

■ 20.5426, 31.5461,
35.1048

■ 64.1534, 53.7271,
50.7543

■ 20.1437, 31.3595,
34.2261

■ 64.3617, 53.8104,
51.8509

■ 20.1393, 31.3574,
34.2160

■ 64.5729, 53.8949,
52.9632

Harmonies

Analogous

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



32.0669, 37.2342, 36.7313



31.8545, 37.2342, 42.0672



32.5621, 37.2342, 47.4466

Triad

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



31.8545, 37.2342, 42.0672



37.7253, 37.2342, 49.4494



36.7823, 37.2342, 31.4835

Complementary

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



31.8545, 37.2342, 42.0672



30.5493, 28.4734, 29.0867

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.



38.3771, 37.2342, 34.3415



31.8545, 37.2342, 42.0672



38.9351, 37.2342, 44.6069

Square

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



31.8545, 37.2342, 42.0672



35.9187, 37.2342, 51.9538



39.1779, 37.2342, 39.0536



34.8665, 37.2342, 30.9366

Rectangle

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



31.8545, 37.2342, 42.0672



33.4759, 37.2342, 50.2226



39.1779, 37.2342, 39.0536



37.3757, 37.2342, 32.1924

Sweetspot

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



31.8556, 37.2357, 42.0680



65.2015, 70.8334, 78.1427



30.1548, 36.6431, 29.1511



14.4499, 15.7501, 17.3971



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.



31.8556, 37.2357, 42.0680



54.7000, 65.4907, 74.4412



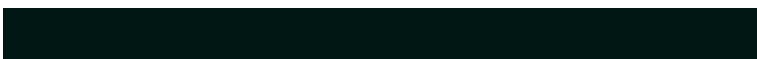
29.9864, 32.8960, 43.2989



8.1951, 9.0556, 10.0525



15.1940, 23.6429, 25.8592



0.4339, 0.6622, 0.7784

Inverse Universe

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



30.5493, 28.4734, 29.0867



51.9185, 46.8256, 46.7941



32.1327, 32.1082, 28.1715



8.0422, 8.0301, 8.5329



12.7675, 6.5695, 1.1550



0.3670, 0.1875, 0.0944

Previews

White Background



This preview shows how the XYZ color 31.8545, 37.2342, 42.0672 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 31.8545, 37.2342, 42.0672 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

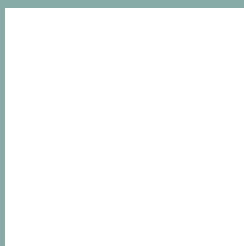
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8545, 37.2342, 42.0672

Background



This preview shows how black text looks on a background with the XYZ color 31.8545, 37.2342, 42.0672.

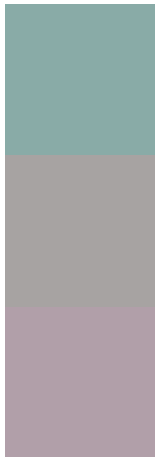


This preview shows how white text looks on a background with the XYZ color 31.8545, 37.2342,

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

31.8545, 37.2342, 42.0672

Protanopia

35.5551, 37.0185, 39.4537

Deuteranopia

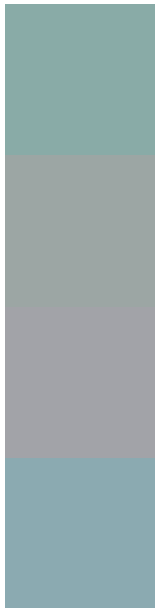
37.6910, 37.0080, 42.6928



Tritanopia

33.4467, 37.3288, 49.6983

Trichromacy



Original Color

31.8545, 37.2342, 42.0672

Protanomaly

34.0474, 37.0207, 40.4732

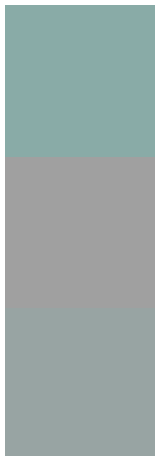
Deuteranomaly

35.0654, 36.7029, 42.2820

Tritanomaly

32.9580, 37.4127, 47.0793

Monochromacy



Original Color

31.8545, 37.2342, 42.0672

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.8352, 35.8707, 39.8435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8545, 37.2342, 42.0672 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(137, 171, 167)` looks like.

```
.text, #text, p{  
    color:rgb(137, 171, 167)  
}
```

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(137, 171, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 171, 167) }
```

Border

The CSS property to change the border of an element to XYZ 31.8545, 37.2342, 42.0672 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(137, 171, 167) }
```


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

```
.border{ border-color:rgb(137, 171, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 171, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 171, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 171, 167);  
box-shadow:4px 4px 4px 4px rgb(137, 171,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8545, 37.2342, 42.0672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 171, 167) }
```

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

```
.background{ background-color: rgb(137,  
171, 167) }
```

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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