

Converting Colors

XYZ(37.8126, 42.3204, 42.8181)

Have a look what the booklet for
XYZ(37.8126, 42.3204, 42.8181)
contains.

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Color

**XYZ(37.7957, 42.3122,
42.7342)**

Conversions

Conversions Part 1

Format	Color
Hex	A2B2A7
RGB	162, 178, 167
RGB Percent	64%, 70%, 65%
CMY	0.3647, 0.3019, 0.3451
CMYK	0.09, 0.00, 0.06, 0.30
HSL	139°, 9%, 67%
HSV	139°, 9%, 70%
XYZ	37.7957, 42.3122, 42.7342
YIQ	171.9620, -6.0050, -6.8130

Conversions

Conversions Part 2

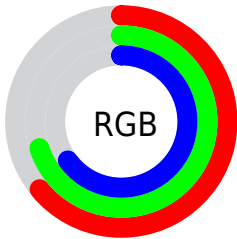
Format	Color
RYB	162, 174, 178
Decimal	10662567
CIELab	71.09, -7.69, 3.72
CIELCh	71, 8.539, 154.204
Yxy	42.3122, 0.3077, 0.3444
Android (android.graphics.Color)	4288852647 (0xFFA2B2A7)
YUV	171.9620, -2.4463, -8.7367
Hunter-Lab	65.0478, -10.1172, 6.5820

Details

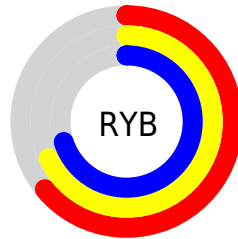
The XYZ color **37.7957, 42.3122, 42.7342** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.8248, 38.3238, 44.8881**, and the grayscale version is **39.2086, 41.2505, 44.9218**.

A 20% lighter version of the original color is **71.2229, 78.8713, 80.5771**, and **16.8585, 19.2200, 19.0410** is the 20% darker color. If you saturate the color by 10%, you get **33.3544, 40.1484, 36.8974**, and if you desaturate by 10%, it is **42.8584, 44.7863, 49.1609**.

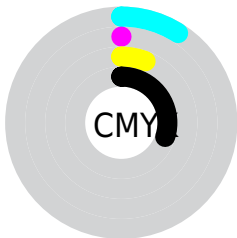
Distribution



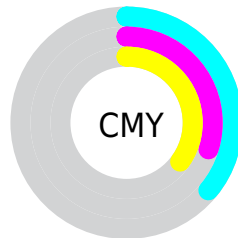
- Red (64%)
- Green (70%)
- Blue (65%)



- Red (64%)
- Yellow (68%)
- Blue (70%)



- Cyan (9%)
- Magenta (0%)
- Yellow (6%)
- Black (30%)



- Cyan (36%)
- Magenta (30%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7957, 42.3122, 42.7342 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 37.7957, 42.3122, 42.7342 by changing the saturation by 10% instead.

■ 37.7957, 42.3122,
42.7342

■ 37.7957, 42.3122,
42.7342

328.0388,
355.7755, 373.4066

■ 26.0007, 29.3458,
29.3468

■ 71.1008, 78.6719,
80.5917

■ 16.9568, 19.3426,
19.0955

■ 93.3416, 102.8340,
105.8988

■ 10.2988, 11.9181,
11.5618

119.7950,
131.4969, 136.0161

■ 5.6613, 6.6879,
6.3271

150.8264,
165.0448, 171.3624

■ 2.6789, 3.2677,
2.9730

186.8011,
203.8623, 212.3560

■ 0.9863, 1.2730,
1.0809

228.0845,

■ 0.0000, 0.1202,

248.3336, 259.4156

0.0000

275.0419,
298.8432, 312.9596

■ 0.0000, 0.0000,
0.0000

■ 37.7957, 42.3122,
42.7342

■ 37.7957, 42.3122,
42.7342

■ 33.3544, 40.1484,
36.8974

■ 42.8584, 44.7863,
49.1609

■ 29.5065, 38.2773,
31.6311

■ 48.5618, 47.5769,
56.1905

■ 26.2272, 36.6877,
26.9188

■ 54.9290, 50.6966,
63.8393

■ 23.4886, 35.3655,
22.7424

■ 61.9806, 54.1558,
72.1221

■ 21.2603, 34.2955,
19.0826

■ 69.7366, 57.9645,
81.0530

■ 19.5088, 33.4607,
15.9191

■ 72.9538, 59.4195,
90.3996

■ 18.1962, 32.8422,
13.2300

■ 74.8385, 60.1734,
100.3245

■ 17.2786, 32.4178,
10.9919

■ 75.2112, 60.3224,
102.2871

■ 16.6786, 32.1480,
9.1779

Harmonies

Analogous

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



38.6933, 42.3122, 39.8710



37.7957, 42.3122, 42.7342



37.5409, 42.3122, 46.6494

Triad

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



37.7957, 42.3122, 42.7342



40.4180, 42.3122, 54.3628



42.5293, 42.3122, 41.7921

Complementary

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



37.7957, 42.3122, 42.7342



38.8248, 38.3238, 44.8881

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.



43.0162, 42.3122, 45.4970



37.7957, 42.3122, 42.7342



41.7791, 42.3122, 52.8821

Square

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



37.7957, 42.3122, 42.7342



39.0339, 42.3122, 53.5162



42.7385, 42.3122, 49.5767



41.4227, 42.3122, 39.3501

Rectangle

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



37.7957, 42.3122, 42.7342



37.7648, 42.3122, 49.3690



42.7385, 42.3122, 49.5767



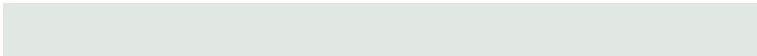
42.7721, 42.3122, 42.9228

Sweetspot

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



37.7969, 42.3140, 42.7351



73.8512, 79.3238, 84.2826



39.7215, 43.3585, 40.4584



16.1975, 17.4940, 18.4647



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



37.7969, 42.3140, 42.7351



66.6717, 75.8190, 75.0742



38.5403, 42.6114, 46.6499



8.4947, 9.5324, 9.5989



11.9207, 22.9943, 6.5854



0.4021, 0.7343, 0.3493

Inverse Universe

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



38.8248, 38.3238, 44.8881



68.9574, 66.9456, 79.8613



38.0915, 38.0304, 41.0266



8.7347, 8.6006, 10.1016



15.6967, 7.7962, 14.0946



0.5187, 0.2552, 0.5743

Previews

White Background



This preview shows how the XYZ color 37.7957, 42.3122, 42.7342 looks on a white background.

Color Contrast Check

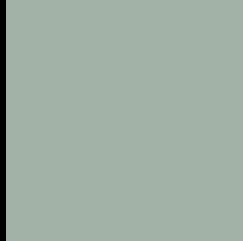
Large Text (above 18pt) WCAG AA × Fail

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 37.7957, 42.3122, 42.7342 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

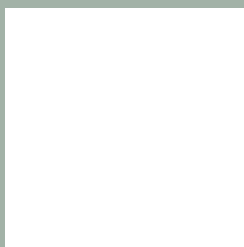
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.7957, 42.3122, 42.7342

Background



This preview shows how black text looks on a background with the XYZ color 37.7957, 42.3122, 42.7342.



This preview shows how white text looks on a background with the XYZ color 37.7957, 42.3122,

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

37.7957, 42.3122, 42.7342

Protanopia

40.2348, 42.1512, 41.1373

Deuteranopia

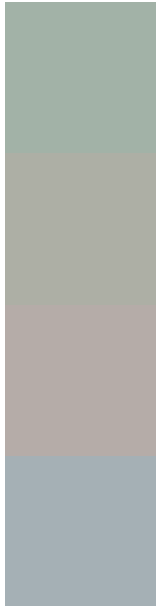
42.9023, 42.0763, 43.3965



Tritanopia

40.2412, 42.4411, 54.2151

Trichromacy



Original Color

37.7957, 42.3122, 42.7342

Protanomaly

39.3551, 42.2608, 41.6802

Deuteranomaly

40.8765, 42.1560, 43.0283

Tritanomaly

39.3829, 42.3862, 49.8217

Monochromacy



Original Color

37.7957, 42.3122, 42.7342

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.5402, 41.4992, 44.0091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7957, 42.3122, 42.7342 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(162, 178, 167)` looks like.

```
.text, #text, p{  
    color:rgb(162, 178, 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(162, 178, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 178, 167) }
```

Border

The CSS property to change the border of an element to XYZ 37.7957, 42.3122, 42.7342 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(162, 178, 167) }
```


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

```
.border{ border-color:rgb(162, 178, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 178, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 178, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 178, 167); box-shadow:4px 4px 4px 4px rgb(162, 178, 167) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7957, 42.3122, 42.7342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 178, 167) }
```

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

```
.background{ background-color: rgb(162,  
178, 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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