

Converting Colors

XYZ(35.9168, 37.2048, 42.4807)

Have a look what the booklet for
XYZ(35.9168, 37.2048, 42.4807)
contains.

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Color

**XYZ(35.8910, 37.1285,
42.3207)**

Conversions

Conversions Part 1

Format	Color
Hex	A6A3A8
RGB	166, 163, 168
RGB Percent	65%, 64%, 66%
CMY	0.3490, 0.3608, 0.3412
CMYK	0.01, 0.03, 0.00, 0.34
HSL	276°, 3%, 65%
HSV	276°, 3%, 66%
XYZ	35.8910, 37.1285, 42.3207
YIQ	164.4670, 0.1830, 2.1910

Conversions

Conversions Part 2

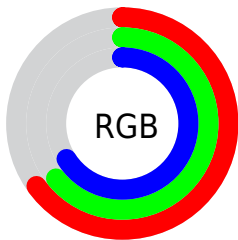
Format	Color
RYB	166, 163, 168
Decimal	10920872
CIELab	67.37, 2.03, -2.21
CIELCh	67, 3.002, 312.562
Yxy	37.1285, 0.3112, 0.3219
Android (android.graphics.Color)	4289110952 (0xFFA6A3A8)
YUV	164.4670, 1.7418, 1.3444
Hunter-Lab	60.9332, -1.4925, 1.4738

Details

The XYZ color **35.8910, 37.1285, 42.3207** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.1319, 38.6499, 40.2080**, and the grayscale version is **35.5019, 37.3508, 40.6750**.

A 20% lighter version of the original color is **68.2095, 70.8427, 79.8910**, and **15.7763, 16.2072, 18.8198** is the 20% darker color. If you saturate the color by 10%, you get **31.7317, 30.8473, 41.3281**, and if you desaturate by 10%, it is **40.5224, 44.2434, 43.4505**.

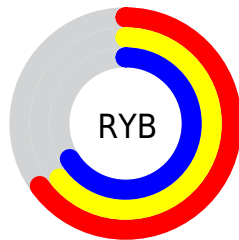
Distribution



Red (65%)

Green (64%)

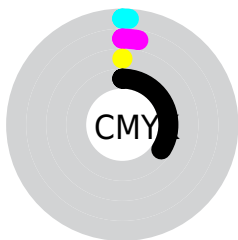
Blue (66%)



Red (65%)

Yellow (64%)

Blue (66%)

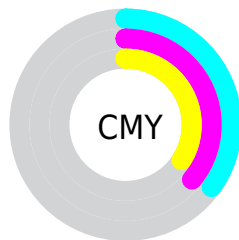


Cyan (1%)

Magenta (3%)

Yellow (0%)

Black (34%)



Cyan (35%)

Magenta (36%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8910, 37.1285, 42.3207 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 35.8910, 37.1285, 42.3207 by changing the saturation by 10% instead.

■ 35.8910, 37.1285,
42.3207

■ 35.8910, 37.1285,
42.3207

319.9234,
333.8665, 371.6494

■ 24.5197, 25.3070,
29.0250

■ 68.1888, 70.7704,
79.9601

■ 15.8464, 16.3059,
18.8540

■ 89.8460, 93.3595,
105.1409

■ 9.5057, 9.7409,
11.3891

115.6626,
120.3067, 135.1205

■ 5.1322, 5.2275,
6.2117

146.0039,
151.9963, 170.3175

■ 2.3606, 2.3814,
2.9034

181.2353,
188.8127, 211.1503

■ 0.8254, 0.8163,
1.0455

221.7221,

■ 0.0000, 0.0000,

231.1402, 258.0375

0.0000

267.8297,
279.3634, 311.3977

■ 35.8910, 37.1285,
42.3207

■ 35.8910, 37.1285,
42.3207

■ 31.7317, 30.8473,
41.3281

■ 40.5224, 44.2434,
43.4505

■ 28.0247, 25.3634,
40.4650

■ 45.6384, 52.2172,
44.7199

■ 24.7534, 20.6449,
39.7266

■ 51.2551, 61.0797,
46.1345

■ 21.8988, 16.6556,
39.1070

■ 57.3867, 70.8580,
47.6988

■ 19.4406, 13.3565,
38.5998

■ 64.0470, 81.5779,
49.4169

■ 17.3565, 10.7047,
38.1978

■ 68.3756, 87.5175,
50.3352

■ 15.6216, 8.6527,
37.8932

■ 70.2863, 88.5025,
50.4246

■ 14.2077, 7.1457,
37.6768

■ 72.2779, 89.5292,
50.5178

■ 13.0812, 6.1188,
37.5380

■ 74.3512, 90.5980,
50.6148

Harmonies

Analogous

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



35.4822, 37.1285, 42.9491



35.8910, 37.1285, 42.3207



36.1399, 37.1285, 41.1903

Triad

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



35.8910, 37.1285, 42.3207



35.5552, 37.1285, 38.0584



34.4335, 37.1285, 40.9799

Complementary

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



35.8910, 37.1285, 42.3207



36.1319, 38.6499, 40.2080

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.



34.4526, 37.1285, 39.6725



35.8910, 37.1285, 42.3207



35.0976, 37.1285, 38.0049

Square

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



35.8910, 37.1285, 42.3207



35.9448, 37.1285, 38.7378



34.6948, 37.1285, 38.5899



34.6422, 37.1285, 42.1638

Rectangle

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



35.8910, 37.1285, 42.3207



36.1803, 37.1285, 40.3135



34.6948, 37.1285, 38.5899



34.4135, 37.1285, 40.5399

Sweetspot

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



35.8921, 37.1301, 42.3215



66.7061, 69.7818, 77.1785



35.6437, 37.5555, 42.4167



14.5493, 15.2251, 16.8240



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



35.8921, 37.1301, 42.3215



64.2597, 66.0516, 76.5875



36.2758, 37.3324, 42.1372



7.9909, 8.1862, 9.5773



9.4300, 4.2448, 28.2978



0.2848, 0.1318, 0.6911

Inverse Universe

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



36.0384, 37.2375, 40.8872



64.6234, 66.3180, 73.0386



35.7565, 38.4521, 40.3855



8.0429, 8.2242, 9.0718



12.9889, 6.6043, 4.7529



0.3414, 0.1708, 0.2494

Previews

White Background



This preview shows how the XYZ color 35.8910, 37.1285, 42.3207 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 35.8910, 37.1285, 42.3207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

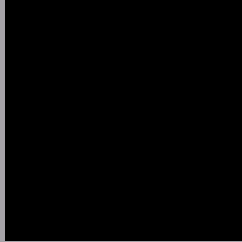
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.8910, 37.1285, 42.3207

Background



This preview shows how black text looks on a background with the XYZ color 35.8910, 37.1285, 42.3207.



This preview shows how white text looks on a background with the XYZ color 35.8910, 37.1285,

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

35.8910, 37.1285, 42.3207

Protanopia

35.8910, 37.1285, 42.3207

Deuteranopia

37.9197, 37.1258, 42.7035



Tritanopia

36.5945, 37.1513, 45.7996

Trichromacy



Original Color

35.8910, 37.1285, 42.3207

Protanomaly

35.8910, 37.1285, 42.3207

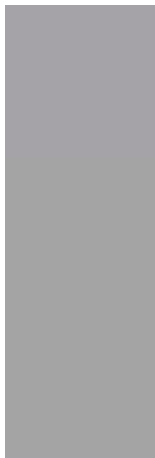
Deuteranomaly

37.1878, 37.0049, 42.7188

Tritanomaly

36.3031, 37.0347, 44.2648

Monochromacy



Original Color

35.8910, 37.1285, 42.3207

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.5840, 37.2669, 40.9151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8910, 37.1285, 42.3207 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(166, 163, 168)` looks like.

```
.text, #text, p{  
    color:rgb(166, 163, 168)  
}
```

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(166, 163, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 163, 168) }
```

Border

The CSS property to change the border of an element to XYZ 35.8910, 37.1285, 42.3207 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(166, 163, 168) }
```


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

```
.border{ border-color:rgb(166, 163, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 163, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 163, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 163, 168);  
box-shadow:4px 4px 4px 4px rgb(166, 163,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8910, 37.1285, 42.3207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 163, 168) }
```

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

```
.background{ background-color: rgb(166,  
163, 168) }
```

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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