

Converting Colors

XYZ(33.6633, 34.7446, 37.2163)

Have a look what the booklet for
XYZ(33.6633, 34.7446, 37.2163)
contains.

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Color

**XYZ(33.7083, 34.8149,
37.2911)**

Conversions

Conversions Part 1

Format	Color
Hex	A49E9E
RGB	164, 158, 158
RGB Percent	64%, 62%, 62%
CMY	0.3569, 0.3804, 0.3804
CMYK	0.00, 0.04, 0.04, 0.36
HSL	0°, 3%, 63%
HSV	0°, 4%, 64%
XYZ	33.7083, 34.8149, 37.2911
YIQ	159.7940, 3.5760, 1.2720

Conversions

Conversions Part 2

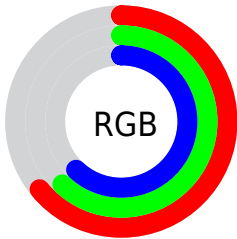
Format	Color
RYB	164, 158, 158
Decimal	10788510
CIELab	65.60, 2.18, 0.77
CIELCh	66, 2.307, 19.416
Yxy	34.8149, 0.3186, 0.3290
Android (android.graphics.Color)	4288978590 (0xFFA49E9E)
YUV	159.7940, -0.8844, 3.6887
Hunter-Lab	59.0042, -1.2826, 3.8311

Details

The XYZ color **33.7083, 34.8149, 37.2911** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.0769, 36.4999, 40.3716**, and the grayscale version is **33.3224, 35.0578, 38.1779**.

A 20% lighter version of the original color is **65.0179, 67.4527, 72.5436**, and **14.5936, 15.0217, 16.0402** is the 20% darker color. If you saturate the color by 10%, you get **29.7780, 29.0644, 29.4749**, and if you desaturate by 10%, it is **38.2020, 41.3897, 46.2254**.

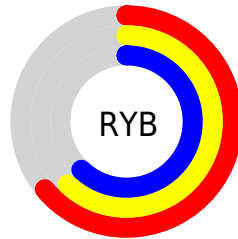
Distribution



Red (64%)

Green (62%)

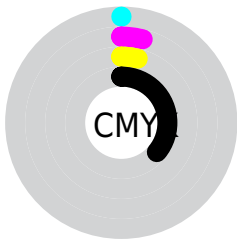
Blue (62%)



Red (64%)

Yellow (62%)

Blue (62%)

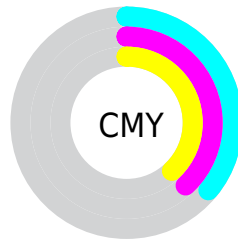


Cyan (0%)

Magenta (4%)

Yellow (4%)

Black (36%)



Cyan (36%)

Magenta (38%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7083, 34.8149, 37.2911 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 33.7083, 34.8149, 37.2911 by changing the saturation by 10% instead.

■ 33.7083, 34.8149,
37.2911

■ 33.7083, 34.8149,
37.2911

310.4383,
323.7506, 349.7757

■ 22.8314, 23.5203,
25.1354

■ 64.8271, 67.1989,
72.2116

■ 14.5891, 14.9782,
15.9580

■ 85.7997, 89.0572,
95.8135

■ 8.6159, 8.8041,
9.3404

110.8683,
115.2054, 124.0678

■ 4.5466, 4.6136,
4.8641

140.3983,
146.0280, 157.3932

■ 2.0158, 2.0224,
2.1104

174.7549,
181.9095, 196.2081

■ 0.6428, 0.6204,
0.6219

214.3035,

■ 0.0000, 0.0000,

223.2341, 240.9312

0.0000

259.4095,
270.3864, 291.9808

■ 33.7083, 34.8149,
37.2911

■ 33.7083, 34.8149,
37.2911

■ 29.7780, 29.0644,
29.4749

■ 38.2020, 41.3897,
46.2254

■ 26.3861, 24.1014,
22.7308

■ 43.2769, 48.8148,
56.3170

■ 23.5099, 19.8930,
17.0125

■ 48.9538, 57.1206,
67.6060

■ 21.1244, 16.4023,
12.2699

■ 55.2516, 66.3347,
80.1299

■ 19.2020, 13.5893,
8.4485

■ 62.1882, 76.4834,
93.9245

■ 17.7128, 11.4100,
5.4886

■ 69.1201, 86.6326,
107.6865

■ 16.6231, 9.8152,
3.3232

■ 15.8945, 8.7486,
1.8758

■ 15.4808, 8.1429,
1.0545

Harmonies

Analogous

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



33.7346, 34.8149, 38.2510



33.7083, 34.8149, 37.2911



33.5158, 34.8149, 36.5091

Triad

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



33.7083, 34.8149, 37.2911



32.5986, 34.8149, 36.7075



32.9711, 34.8149, 39.7699

Complementary

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



33.7083, 34.8149, 37.2911



34.0769, 36.4999, 40.3716

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.



32.6688, 34.8149, 39.3411



33.7083, 34.8149, 37.2911



32.4547, 34.8149, 37.5661

Square

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



33.7083, 34.8149, 37.2911



32.8746, 34.8149, 36.1762



32.4803, 34.8149, 38.5307



33.3074, 34.8149, 39.6932

Rectangle

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



33.7083, 34.8149, 37.2911



33.3199, 34.8149, 36.1888



32.4803, 34.8149, 38.5307



32.8622, 34.8149, 39.6798

Sweetspot

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



33.7093, 34.8164, 37.2919



63.2392, 66.1991, 71.7704



34.2381, 35.0271, 40.0788



13.8355, 14.4874, 15.7107



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



33.7093, 34.8164, 37.2919



60.8697, 62.7322, 67.0588



34.2268, 35.8514, 37.4644



7.4935, 7.7003, 8.2092



11.7396, 6.0531, 0.5496



0.2468, 0.1273, 0.0116

Inverse Universe

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



34.0769, 36.4999, 40.3716



61.6109, 66.1268, 73.2688



33.5468, 35.4397, 40.1949



7.5976, 8.1768, 9.0809



15.3060, 22.3914, 30.4450



0.3217, 0.4707, 0.6397

Previews

White Background



This preview shows how the XYZ color 33.7083, 34.8149, 37.2911 looks on a white background.

Color Contrast Check

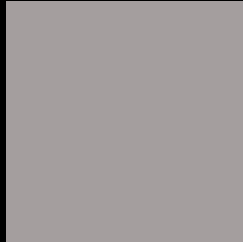
Large Text (above 18pt) WCAG AA × Fail

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 33.7083, 34.8149, 37.2911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

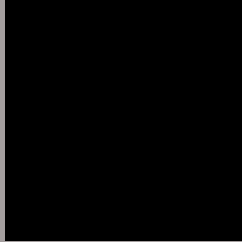
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.7083, 34.8149, 37.2911

Background



This preview shows how black text looks on a background with the XYZ color 33.7083, 34.8149, 37.2911.

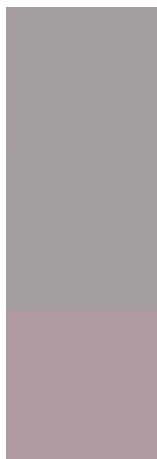


This preview shows how white text looks on a background with the XYZ color 33.7083, 34.8149,

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

33.7083, 34.8149, 37.2911

Protanopia

33.4700, 34.9463, 37.3290

Deuteranopia

35.4928, 34.7284, 37.6335



Tritanopia

34.7758, 34.7485, 42.4104

Trichromacy



Original Color

33.7083, 34.8149, 37.2911

Protanomaly

33.6739, 35.0514, 37.3385

Deuteranomaly

34.7739, 34.6038, 37.6473

Tritanomaly

34.3656, 34.8299, 40.5089

Monochromacy



Original Color

33.7083, 34.8149, 37.2911

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.3541, 34.8765, 37.7748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7083, 34.8149, 37.2911 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(164, 158, 158)` looks like.

```
.text, #text, p{  
    color:rgb(164, 158, 158)  
}
```

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(164, 158, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 158, 158) }
```

Border

The CSS property to change the border of an element to XYZ 33.7083, 34.8149, 37.2911 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(164, 158, 158) }
```


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

```
.border{ border-color:rgb(164, 158, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 158, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 158, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 158, 158);  
box-shadow:4px 4px 4px 4px rgb(164, 158,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7083, 34.8149, 37.2911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 158, 158) }
```

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

```
.background{ background-color: rgb(164,  
158, 158) }
```

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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