

Converting Colors

XYZ(33.8803, 35.2969, 38.0155)

Have a look what the booklet for
XYZ(33.8803, 35.2969, 38.0155)
contains.

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Color

**XYZ(33.9331, 35.4313,
37.8514)**

Conversions

Conversions Part 1

Format	Color
Hex	A3A09F
RGB	163, 160, 159
RGB Percent	64%, 63%, 62%
CMY	0.3608, 0.3725, 0.3765
CMYK	0.00, 0.02, 0.02, 0.36
HSL	15°, 2%, 63%
HSV	15°, 2%, 64%
XYZ	33.9331, 35.4313, 37.8514
YIQ	160.7830, 2.1090, 0.3250

Conversions

Conversions Part 2

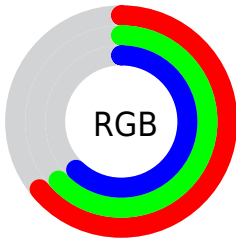
Format	Color
RYB	163, 160, 159
Decimal	10723487
CIELab	66.08, 0.90, 0.89
CIELCh	66, 1.267, 44.943
Yxy	35.4313, 0.3165, 0.3305
Android (android.graphics.Color)	4288913567 (0xFFA3A09F)
YUV	160.7830, -0.8790, 1.9443
Hunter-Lab	59.5242, -2.4094, 3.9645

Details

The XYZ color **33.9331, 35.4313, 37.8514** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.8294, 35.8557, 39.7888**, and the grayscale version is **33.7796, 35.5388, 38.7018**.

A 20% lighter version of the original color is **65.3515, 68.3613, 73.3690**, and **14.7310, 15.3995, 16.3834** is the 20% darker color. If you saturate the color by 10%, you get **30.5966, 30.8744, 30.2148**, and if you desaturate by 10%, it is **37.6662, 40.4820, 46.5414**.

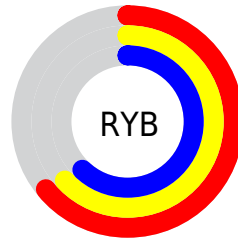
Distribution



Red (64%)

Green (63%)

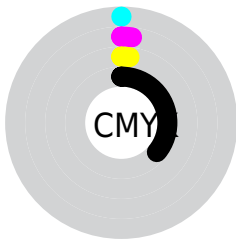
Blue (62%)



Red (64%)

Yellow (63%)

Blue (62%)

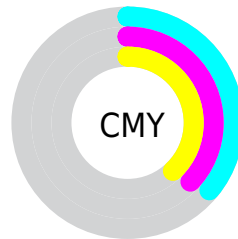


Cyan (0%)

Magenta (2%)

Yellow (2%)

Black (36%)



Cyan (36%)

Magenta (37%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9331, 35.4313, 37.8514 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 33.9331, 35.4313, 37.8514 by changing the saturation by 10% instead.

■ 33.9331, 35.4313,
37.8514

■ 33.9331, 35.4313,
37.8514

311.4248,
326.4680, 352.2611

■ 23.0049, 23.9953,
25.5664

■ 65.1746, 68.1534,
73.0812

■ 14.7178, 15.3301,
16.2767

■ 86.2186, 90.2083,
96.8631

■ 8.7066, 9.0514,
9.5637

111.3652,
116.5715, 125.3145

■ 4.6059, 4.7747,
5.0089

140.9797,
147.6276, 158.8538

■ 2.0503, 2.1157,
2.1936

175.4276,
183.7609, 197.8995

■ 0.6620, 0.6734,
0.6707

215.0742,

■ 0.0000, 0.0000,

225.3558, 242.8703

0.0000

260.2848,
272.7967, 294.1847

■ 33.9331, 35.4313,
37.8514

■ 33.9331, 35.4313,
37.8514

■ 30.5966, 30.8744,
30.2148

■ 37.6662, 40.4820,
46.5414

■ 27.6406, 26.7919,
23.5891

■ 41.8056, 46.0362,
56.3205

■ 25.0521, 23.1698,
17.9325

■ 46.3642, 52.1090,
67.2255

■ 22.8161, 19.9916,
13.1991

■ 51.3535, 58.7135,
79.2908

■ 20.9169, 17.2398,
9.3394

■ 56.7846, 65.8622,
92.5494

■ 19.3373, 14.8959,
6.2993

■ 62.3766, 73.4508,
105.4976

■ 18.0585, 12.9398,
4.0184

■ 65.9610, 80.6196,
106.6924

■ 17.0595, 11.3496,
2.4282

■ 68.9145, 86.5267,
107.6769

■ 16.3163, 10.1011,
1.4473

Harmonies

Analogous

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



34.0271, 35.4313, 38.3121



33.9331, 35.4313, 37.8514



33.7705, 35.4313, 37.5868

Triad

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



33.9331, 35.4313, 37.8514



33.3282, 35.4313, 38.3101



33.7698, 35.4313, 39.5884

Complementary

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



33.9331, 35.4313, 37.8514



33.8294, 35.8557, 39.7888

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.



33.5825, 35.4313, 39.5878



33.9331, 35.4313, 37.8514



33.3281, 35.4313, 38.8464

Square

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



33.9331, 35.4313, 37.8514



33.4215, 35.4313, 37.8500



33.4210, 35.4313, 39.3152



33.9326, 35.4313, 39.3167

Rectangle

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



33.9331, 35.4313, 37.8514



33.6452, 35.4313, 37.5556



33.4210, 35.4313, 39.3152



33.7076, 35.4313, 39.6201

Sweetspot

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



33.9341, 35.4328, 37.8522



61.6878, 64.6998, 69.9055



34.0246, 35.1921, 39.1825



13.8632, 14.5427, 15.7199



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.



33.9341, 35.4328, 37.8522



60.3930, 62.9406, 66.9137



34.2832, 36.1310, 37.9685



7.6393, 7.9451, 8.4020



12.3827, 7.3394, 0.7640



0.2952, 0.2243, 0.0277

Inverse Universe

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



33.8294, 35.8557, 39.7888



60.1605, 63.8799, 71.2154



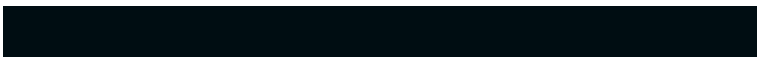
33.4803, 35.1575, 39.6724



7.6035, 8.0896, 9.0638



10.5982, 12.9758, 28.8758



0.2567, 0.3407, 0.6181

Previews

White Background



This preview shows how the XYZ color 33.9331, 35.4313, 37.8514 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 33.9331, 35.4313, 37.8514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

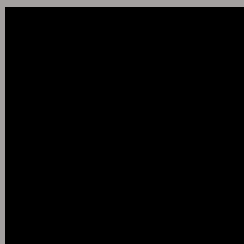
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

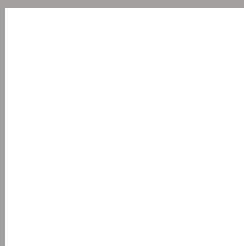
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9331, 35.4313, 37.8514

Background



This preview shows how black text looks on a background with the XYZ color 33.9331, 35.4313, 37.8514.



This preview shows how white text looks on a background with the XYZ color 33.9331, 35.4313,

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

33.9331, 35.4313, 37.8514

Protanopia

34.1387, 35.5373, 37.8610

Deuteranopia

35.9710, 35.2109, 38.1582



Tritanopia

35.0946, 35.3933, 43.5100

Trichromacy



Original Color

33.9331, 35.4313, 37.8514

Protanomaly

34.1387, 35.5373, 37.8610

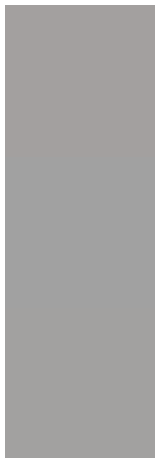
Deuteranomaly

35.1967, 35.3099, 38.2181

Tritanomaly

34.6830, 35.4788, 41.5793

Monochromacy



Original Color

33.9331, 35.4313, 37.8514

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.9903, 35.7092, 38.3588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9331, 35.4313, 37.8514 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(163, 160, 159)` looks like.

```
.text, #text, p{  
    color:rgb(163, 160, 159)  
}
```

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(163, 160, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 160, 159) }
```

Border

The CSS property to change the border of an element to XYZ 33.9331, 35.4313, 37.8514 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(163, 160, 159) }
```


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

```
.border{ border-color:rgb(163, 160, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 160, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 160, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 160, 159);  
box-shadow:4px 4px 4px 4px rgb(163, 160,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9331, 35.4313, 37.8514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 160, 159) }
```

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

```
.background{ background-color: rgb(163,  
160, 159) }
```

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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