

Converting Colors

XYZ(33.3990, 33.9072, 37.0694)

Have a look what the booklet for
XYZ(33.3990, 33.9072, 37.0694)
contains.

XYZ(33.4100, 33.9106, 37.1323)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.4100, 33.9106,
37.1323)**

Conversions

Conversions Part 1

Format	Color
Hex	A59B9E
RGB	165, 155, 158
RGB Percent	65%, 61%, 62%
CMY	0.3529, 0.3921, 0.3804
CMYK	0.00, 0.06, 0.04, 0.35
HSL	342°, 5%, 63%
HSV	342°, 6%, 65%
XYZ	33.4100, 33.9106, 37.1323
YIQ	158.3320, 4.9970, 3.0530

Conversions

Conversions Part 2

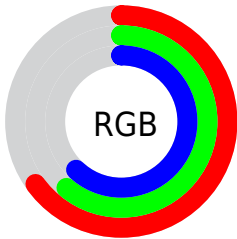
Format	Color
R_{YB}	165, 155, 158
Decimal	10853278
CIE Lab	64.89, 4.20, -0.26
CIE LCh	65, 4.209, 356.415
Yxy	33.9106, 0.3199, 0.3246
Android (android.graphics.Color)	4289043358 (0xFFA59B9E)
YUV	158.3320, -0.1637, 5.8478
Hunter-Lab	58.2328, 0.5037, 2.9565

Details

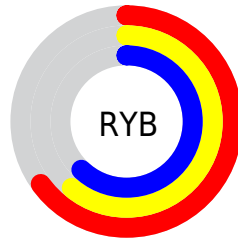
The XYZ color **33.4100, 33.9106, 37.1323** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.4956, 36.4885, 39.4618**, and the grayscale version is **32.6500, 34.3504, 37.4076**.

A 20% lighter version of the original color is **64.3259, 65.6207, 72.2265**, and **14.4142, 14.4729, 15.9438** is the 20% darker color. If you saturate the color by 10%, you get **29.9015, 28.4106, 31.2851**, and if you desaturate by 10%, it is **37.3892, 40.2015, 43.5986**.

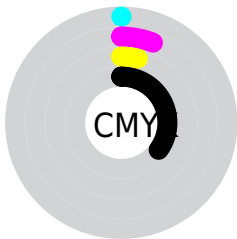
Distribution



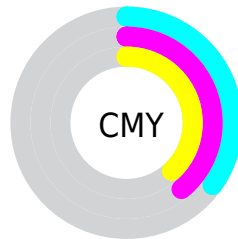
- Red (65%)
- Green (61%)
- Blue (62%)



- Red (65%)
- Yellow (61%)
- Blue (62%)



- Cyan (0%)
- Magenta (6%)
- Yellow (4%)
- Black (35%)



- Cyan (35%)
- Magenta (39%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4100, 33.9106, 37.1323 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 33.4100, 33.9106, 37.1323 by changing the saturation by 10% instead.

■ 33.4100, 33.9106,
37.1323

■ 33.4100, 33.9106,
37.1323

309.1256,
319.7332, 349.0689

■ 22.6015, 22.8249,
25.0134

■ 64.3655, 65.7946,
71.9648

■ 14.4186, 14.4643,
15.8679

■ 85.2432, 87.3618,
95.5155

■ 8.4960, 8.4443,
9.2774

110.2080,
113.1915, 123.7138

■ 4.4684, 4.3805,
4.8233

139.6252,
143.6683, 156.9782

■ 1.9704, 1.8886,
2.0870

173.8602,
179.1764, 195.7275

■ 0.6172, 0.5415,
0.6080

213.2784,

■ 0.0000, 0.0000,

220.1004, 240.3799

0.0000

258.2451,
266.8245, 291.3542

■ 33.4100, 33.9106,
37.1323

■ 33.4100, 33.9106,
37.1323

■ 29.9015, 28.4106,
31.2851

■ 37.3892, 40.2015,
43.5986

■ 26.8431, 23.6657,
26.0361

■ 41.8529, 47.3082,
50.6994

■ 24.2169, 19.6441,
21.3666

■ 46.8180, 55.2604,
58.4525

■ 22.0029, 16.3099,
17.2561

■ 52.2996, 64.0845,
66.8742

■ 20.1790, 13.6242,
13.6827

■ 58.3123, 73.8062,
75.9804

■ 18.7215, 11.5441,
10.6230

■ 64.8699, 84.4497,
85.7861

■ 17.6036, 10.0214,
8.0517

■ 66.8386, 85.7440,
94.5904

■ 16.7947, 9.0007,
5.9412

■ 68.5996, 86.4484,
103.8637

■ 16.2543, 8.4072,
4.2589

■ 69.3273, 86.7395,
107.6962

Harmonies

Analogous

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



33.2132, 33.9106, 38.8030



33.4100, 33.9106, 37.1323



33.2877, 33.9106, 35.4557

Triad

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



33.4100, 33.9106, 37.1323



31.7145, 33.9106, 34.0093



31.5897, 33.9106, 39.7782

Complementary

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



33.4100, 33.9106, 37.1323



33.4956, 36.4885, 39.4618

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.



31.1969, 33.9106, 38.4300



33.4100, 33.9106, 37.1323



31.2684, 33.9106, 35.1045

Square

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



33.4100, 33.9106, 37.1323



32.3040, 33.9106, 33.6862



31.0801, 33.9106, 36.7142



32.1581, 33.9106, 40.3606

Rectangle

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



33.4100, 33.9106, 37.1323



33.0424, 33.9106, 34.5541



31.0801, 33.9106, 36.7142



31.4330, 33.9106, 39.3975

Sweetspot

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



33.4110, 33.9121, 37.1330



62.5988, 65.0912, 71.0244



33.4143, 33.8422, 40.3690



13.7035, 14.2589, 15.5569



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.



33.4110, 33.9121, 37.1330



59.1241, 59.6133, 65.3295



33.4916, 34.4812, 35.9023



7.3065, 7.3541, 8.0610



12.1856, 6.2303, 2.9019



0.2760, 0.1389, 0.1659

Inverse Universe

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



33.4110, 33.9121, 37.1330



59.1241, 59.6133, 65.3295



33.4075, 35.8806, 40.7629



7.3065, 7.3541, 8.0610



12.1856, 6.2303, 2.9019



0.2760, 0.1389, 0.1659

Previews

White Background



This preview shows how the XYZ color 33.4100, 33.9106, 37.1323 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 33.4100, 33.9106, 37.1323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

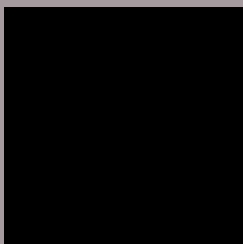
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

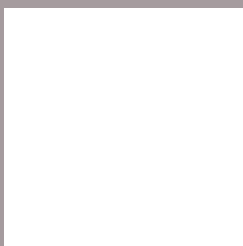
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4100, 33.9106, 37.1323

Background



This preview shows how black text looks on a background with the XYZ color 33.4100, 33.9106, 37.1323.



This preview shows how white text looks on a background with the XYZ color 33.4100, 33.9106,

37.1323.

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

33.4100, 33.9106, 37.1323

Protanopia

32.8122, 34.0907, 37.6517

Deuteranopia

34.4130, 33.6958, 37.0379



Tritanopia

34.1644, 33.9714, 40.8329

Trichromacy



Original Color

33.4100, 33.9106, 37.1323

Protanomaly

33.0468, 33.9615, 37.6144

Deuteranomaly

33.9250, 33.6861, 37.0618

Tritanomaly

33.8923, 33.8625, 39.4001

Monochromacy



Original Color

33.4100, 33.9106, 37.1323

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.9265, 34.1596, 37.2058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4100, 33.9106, 37.1323 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(165, 155, 158)` looks like.

```
.text, #text, p{  
    color:rgb(165, 155, 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(165, 155, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 155, 158) }
```

Border

The CSS property to change the border of an element to XYZ 33.4100, 33.9106, 37.1323 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(165, 155, 158) }
```


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

```
.border{ border-color:rgb(165, 155, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 155, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 155, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 155, 158);  
box-shadow:4px 4px 4px 4px rgb(165, 155,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4100, 33.9106, 37.1323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 155, 158) }
```

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

```
.background{ background-color: rgb(165,  
155, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor