

Converting Colors

XYZ(33.3497, 31.5869, 37.4424)

Have a look what the booklet for
XYZ(33.3497, 31.5869, 37.4424)
contains.

XYZ(33.2651, 31.4468, 37.5743)	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(33.2651, 31.4468,
37.5743)**

Conversions

Conversions Part 1

Format	Color
Hex	AB91A0
RGB	171, 145, 160
RGB Percent	67%, 57%, 63%
CMY	0.3294, 0.4314, 0.3725
CMYK	0.00, 0.15, 0.06, 0.33
HSL	325°, 13%, 62%
HSV	325°, 15%, 67%
XYZ	33.2651, 31.4468, 37.5743
YIQ	154.4840, 10.6810, 10.1770

Conversions

Conversions Part 2

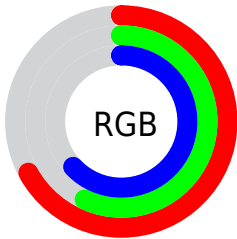
Format	Color
RYB	171, 145, 160
Decimal	11243936
CIELab	62.88, 12.35, -4.28
CIELCh	63, 13.067, 340.888
Yxy	31.4468, 0.3252, 0.3074
Android (android.graphics.Color)	4289434016 (0xFFAB91A0)
YUV	154.4840, 2.7194, 14.4845
Hunter-Lab	56.0774, 7.7505, -0.4726

Details

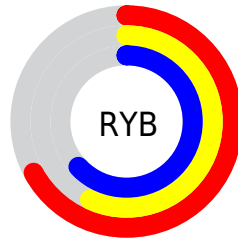
The XYZ color **33.2651, 31.4468, 37.5743** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.2419, 37.5466, 37.0021**, and the grayscale version is **30.9138, 32.5237, 35.4183**.

A 20% lighter version of the original color is **64.0532, 61.9219, 72.8661**, and **14.3708, 13.0315, 16.2259** is the 20% darker color. If you saturate the color by 10%, you get **30.2318, 26.3635, 33.5309**, and if you desaturate by 10%, it is **36.7303, 37.3342, 41.9442**.

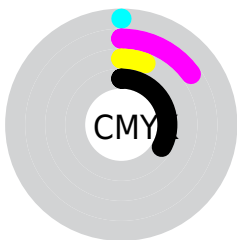
Distribution



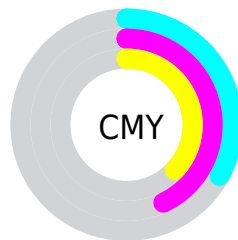
- Red (67%)
- Green (57%)
- Blue (63%)



- Red (67%)
- Yellow (57%)
- Blue (63%)



- Cyan (0%)
- Magenta (15%)
- Yellow (6%)
- Black (33%)



- Cyan (33%)
- Magenta (43%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2651, 31.4468, 37.5743 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 33.2651, 31.4468, 37.5743 by changing the saturation by 10% instead.

■ 33.2651, 31.4468,
37.5743

■ 33.2651, 31.4468,
37.5743

308.4865,
308.5915, 351.0336

■ 22.4898, 20.9393,
25.3532

■ 64.1411, 61.9428,
72.6513

■ 14.3359, 13.0796,
16.1190

■ 84.9725, 82.7002,
96.3444

■ 8.4379, 7.4834,
9.4531

109.8867,
107.6429, 124.6985

■ 4.4306, 3.7662,
4.9371

139.2490,
137.1554, 158.1321

■ 1.9485, 1.5437,
2.1523

173.4248,
171.6222, 197.0639

■ 0.6048, 0.3192,
0.6466

212.7794,

■ 0.0000, 0.0000,

211.4275, 241.9124

0.0000

257.6782,
256.9558, 293.0961

■ 33.2651, 31.4468,
37.5743

■ 33.2651, 31.4468,
37.5743

■ 30.2318, 26.3635,
33.5309

■ 36.7303, 37.3342,
41.9442

■ 27.6096, 22.0449,
29.8029

■ 40.6419, 44.0546,
46.6473

■ 25.3800, 18.4544,
26.3812

■ 45.0166, 51.6406,
51.6924

■ 23.5217, 15.5508,
23.2558

■ 49.8699, 60.1218,
57.0876

■ 22.0117, 13.2888,
20.4154

■ 55.2162, 69.5265,
62.8405

■ 20.8238, 11.6174,
17.8480

■ 61.0695, 79.8814,
68.9584

■ 19.9283, 10.4781,
15.5401

■ 64.2686, 84.8635,
74.3902

■ 19.2879, 9.7977,
13.4757

■ 65.1944, 85.2339,
79.2657

■ 19.0300, 9.5521,
12.5568

■ 66.1616, 85.6207,
84.3589

Harmonies

Analogous

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



32.2023, 31.4468, 42.2565



33.2651, 31.4468, 37.5743



33.4027, 31.4468, 32.4096

Triad

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



33.2651, 31.4468, 37.5743



29.2430, 31.4468, 25.4341



27.3590, 31.4468, 41.1155

Complementary

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



33.2651, 31.4468, 37.5743



32.2419, 37.5466, 37.0021

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.



26.6313, 31.4468, 36.1386



33.2651, 31.4468, 37.5743



27.6897, 31.4468, 27.3079

Square

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



33.2651, 31.4468, 37.5743



31.0318, 31.4468, 25.7357



26.7499, 31.4468, 31.1094



28.7751, 31.4468, 44.4379

Rectangle

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



33.2651, 31.4468, 37.5743



32.9452, 31.4468, 29.4194



26.7499, 31.4468, 31.1094



27.0283, 31.4468, 39.5609

Sweetspot

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



33.2660, 31.4482, 37.5750



65.8571, 66.9920, 75.2122



31.1554, 30.2440, 42.7240



14.5862, 14.7683, 16.6492



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



33.2660, 31.4482, 37.5750



57.8031, 53.3334, 64.9761



32.2006, 31.0220, 31.9647



8.1916, 8.0899, 9.3198



14.3725, 7.2115, 9.6067



0.4264, 0.2112, 0.4072

Inverse Universe

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



33.2660, 31.4482, 37.5750



57.8031, 53.3334, 64.9761



33.3867, 38.0045, 43.0305



8.1916, 8.0899, 9.3198



14.3725, 7.2115, 9.6067



0.4264, 0.2112, 0.4072

Previews

White Background



This preview shows how the XYZ color 33.2651, 31.4468, 37.5743 looks on a white background.

Color Contrast Check

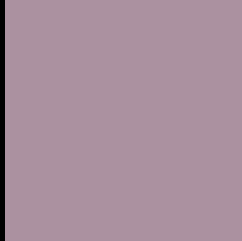
Large Text (above 18pt) WCAG AA × Fail

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 33.2651, 31.4468, 37.5743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

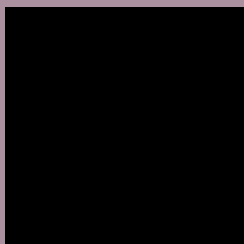
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.2651, 31.4468, 37.5743

Background



This preview shows how black text looks on a background with the XYZ color 33.2651, 31.4468, 37.5743.



This preview shows how white text looks on a background with the XYZ color 33.2651, 31.4468,

37.5743.

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

33.2651, 31.4468, 37.5743

Protanopia

30.7163, 31.4890, 39.5810

Deuteranopia

32.1578, 31.5755, 37.2007



Tritanopia

33.1593, 31.6500, 36.2597

Trichromacy



Original Color

33.2651, 31.4468, 37.5743

Protanomaly

31.6564, 31.5102, 39.0639

Deuteranomaly

32.6281, 31.5861, 37.1779

Tritanomaly

33.2450, 31.6843, 36.7112

Monochromacy



Original Color

33.2651, 31.4468, 37.5743

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.5646, 32.0071, 35.9668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2651, 31.4468, 37.5743 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(171, 145, 160)` looks like.

```
.text, #text, p{  
    color:rgb(171, 145, 160)  
}
```

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(171, 145, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 145, 160) }
```

Border

The CSS property to change the border of an element to XYZ 33.2651, 31.4468, 37.5743 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(171, 145, 160) }
```


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

```
.border{ border-color:rgb(171, 145, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 145, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 145, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 145, 160);  
box-shadow:4px 4px 4px 4px rgb(171, 145,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2651, 31.4468, 37.5743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 145, 160) }
```

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

```
.background{ background-color: rgb(171,  
145, 160) }
```

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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