

Converting Colors

XYZ(33.4047, 31.8797, 37.1166)

Have a look what the booklet for
XYZ(33.4047, 31.8797, 37.1166)
contains.

XYZ(33.4863, 32.0286, 37.2181)	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(33.4863, 32.0286,
37.2181)**

Conversions

Conversions Part 1

Format	Color
Hex	AB939F
RGB	171, 147, 159
RGB Percent	67%, 58%, 62%
CMY	0.3294, 0.4235, 0.3765
CMYK	0.00, 0.14, 0.07, 0.33
HSL	330°, 12%, 62%
HSV	330°, 14%, 67%
XYZ	33.4863, 32.0286, 37.2181
YIQ	155.5440, 10.4520, 8.8200

Conversions

Conversions Part 2

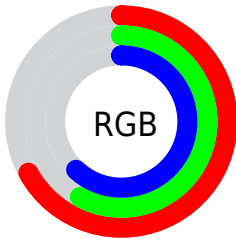
Format	Color
RYB	171, 147, 159
Decimal	11244447
CIELab	63.37, 11.04, -3.00
CIElCh	63, 11.443, 344.800
Yxy	32.0286, 0.3260, 0.3118
Android (android.graphics.Color)	4289434527 (0xFFAB939F)
YUV	155.5440, 1.7038, 13.5549
Hunter-Lab	56.5938, 6.5784, 0.6245

Details

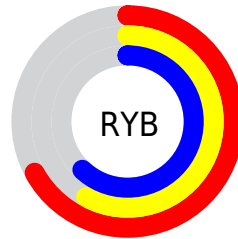
The XYZ color **33.4863, 32.0286, 37.2181** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.8548, 37.8329, 38.3735**, and the grayscale version is **31.3871, 33.0217, 35.9606**.

A 20% lighter version of the original color is **64.3883, 62.7971, 72.3457**, and **14.4974, 13.3704, 16.0040** is the 20% darker color. If you saturate the color by 10%, you get **30.3060, 26.8143, 32.6229**, and if you desaturate by 10%, it is **37.1151, 38.0568, 42.2169**.

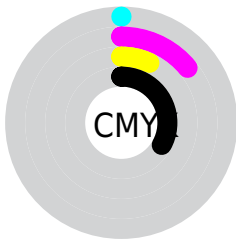
Distribution



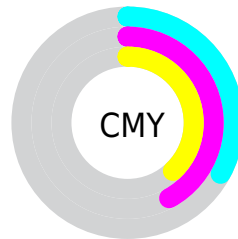
- Red (67%)
- Green (58%)
- Blue (62%)



- Red (67%)
- Yellow (58%)
- Blue (62%)



- Cyan (0%)
- Magenta (14%)
- Yellow (7%)
- Black (33%)



- Cyan (33%)
- Magenta (42%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4863, 32.0286, 37.2181 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 33.4863, 32.0286, 37.2181 by changing the saturation by 10% instead.

■ 33.4863, 32.0286,
37.2181

■ 33.4863, 32.0286,
37.2181

309.4617,
311.2495, 349.4509

■ 22.6603, 21.3833,
25.0793

■ 64.4836, 62.8559,
72.0982

■ 14.4622, 13.4045,
15.9166

■ 85.3856, 83.8068,
95.6765

■ 8.5266, 7.7077,
9.3114

110.3770,
108.9616, 123.9051

■ 4.4884, 3.9085,
4.8453

139.8231,
138.7049, 157.2025

■ 1.9820, 1.6225,
2.0996

174.0893,
173.4209, 195.9872

■ 0.6238, 0.3727,
0.6155

213.5408,

■ 0.0000, 0.0000,

213.4940, 240.6779

0.0000

258.5432,
259.3088, 291.6929

■ 33.4863, 32.0286,
37.2181

■ 33.4863, 32.0286,
37.2181

■ 30.3060, 26.8143,
32.6229

■ 37.1151, 38.0568,
42.2169

■ 27.5529, 22.3746,
28.4179

■ 41.2069, 44.9276,
47.6279

■ 25.2084, 18.6729,
24.5921

■ 45.7790, 52.6737,
53.4621

■ 23.2509, 15.6685,
21.1328

■ 50.8469, 61.3246,
59.7292

■ 21.6572, 13.3162,
18.0268

■ 56.4255, 70.9085,
66.4388

■ 20.4011, 11.5658,
15.2594

■ 62.5289, 81.4523,
73.6001

■ 19.4527, 10.3595,
12.8146

■ 65.3223, 85.2850,
79.9392

■ 18.7763, 9.6278,
10.6743

■ 66.4765, 85.7467,
86.0170

■ 18.4540, 9.3217,
9.5233

■ 67.6894, 86.2319,
92.4039

Harmonies

Analogous

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



32.6459, 32.0286, 41.4570



33.4863, 32.0286, 37.2181



33.4922, 32.0286, 32.6863

Triad

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



33.4863, 32.0286, 37.2181



29.6685, 32.0286, 27.0808



28.3257, 32.0286, 41.4087

Complementary

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



33.4863, 32.0286, 37.2181



32.8548, 37.8329, 38.3735

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.



27.5833, 32.0286, 37.1566



33.4863, 32.0286, 37.2181



28.3401, 32.0286, 29.0270

Square

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



33.4863, 32.0286, 37.2181



31.2502, 32.0286, 27.0941



27.5885, 32.0286, 32.6299



29.6483, 32.0286, 44.0159

Rectangle

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



33.4863, 32.0286, 37.2181



33.0202, 32.0286, 30.1152



27.5885, 32.0286, 32.6299



28.0021, 32.0286, 40.1088

Sweetspot

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



33.4872, 32.0300, 37.2188



66.4446, 68.1136, 75.5725



32.0837, 31.1802, 42.8558



14.7042, 15.0006, 16.7000



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.



33.4872, 32.0300, 37.2188



58.0253, 54.1546, 63.8885



32.4959, 31.6335, 31.9987



8.1659, 8.0796, 9.1847



13.9380, 7.0378, 7.3192



0.4154, 0.2068, 0.3492

Inverse Universe

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



33.4872, 32.0300, 37.2188



58.0253, 54.1546, 63.8885



33.9472, 38.2698, 44.1260



8.1659, 8.0796, 9.1847



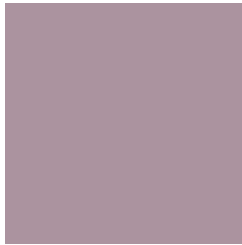
13.9380, 7.0378, 7.3192



0.4154, 0.2068, 0.3492

Previews

White Background



This preview shows how the XYZ color 33.4863, 32.0286, 37.2181 looks on a white background.

Color Contrast Check

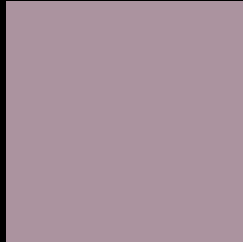
Large Text (above 18pt) WCAG AA × Fail

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 33.4863, 32.0286, 37.2181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

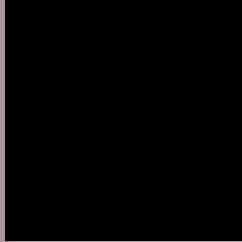
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.4863, 32.0286, 37.2181

Background



This preview shows how black text looks on a background with the XYZ color 33.4863, 32.0286, 37.2181.



This preview shows how white text looks on a background with the XYZ color 33.4863, 32.0286,

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

33.4863, 32.0286, 37.2181

Protanopia

31.2392, 32.2611, 38.7630

Deuteranopia

32.7313, 32.1051, 37.2727



Tritanopia

33.4863, 32.0286, 37.2181

Trichromacy



Original Color

33.4863, 32.0286, 37.2181

Protanomaly

31.9968, 32.1800, 38.2432

Deuteranomaly

32.9964, 32.0078, 37.2399

Tritanomaly

33.4863, 32.0286, 37.2181

Monochromacy



Original Color

33.4863, 32.0286, 37.2181

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.1750, 32.7939, 36.5323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4863, 32.0286, 37.2181 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, 147, 159)` looks like.

```
.text, #text, p{  
    color:rgb(171, 147, 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(171, 147, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 147, 159) }
```

Border

The CSS property to change the border of an element to XYZ 33.4863, 32.0286, 37.2181 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, 147, 159) }
```


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

```
.border{ border-color:rgb(171, 147, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 147, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 147, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 147, 159);  
box-shadow:4px 4px 4px 4px rgb(171, 147,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4863, 32.0286, 37.2181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 147, 159) }
```

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

```
.background{ background-color: rgb(171,  
147, 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](#).

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