

Converting Colors

XYZ(31.7783, 33.7999, 27.6306)

Have a look what the booklet for
XYZ(31.7783, 33.7999, 27.6306)
contains.

XYZ(31.7400, 33.7557, 27.7643)	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(31.7400, 33.7557,
27.7643)**

Conversions

Conversions Part 1

Format	Color
Hex	A49D87
RGB	164, 157, 135
RGB Percent	64%, 62%, 53%
CMY	0.3569, 0.3843, 0.4706
CMYK	0.00, 0.04, 0.18, 0.36
HSL	46°, 14%, 59%
HSV	46°, 18%, 64%
XYZ	31.7400, 33.7557, 27.7643
YIQ	156.5850, 11.2340, -5.3580

Conversions

Conversions Part 2

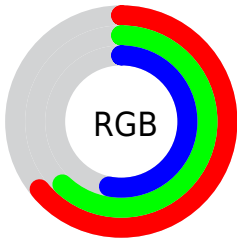
Format	Color
RYB	144, 164, 135
Decimal	10788231
CIELab	64.77, -1.25, 12.43
CIELCh	65, 12.493, 95.733
Yxy	33.7557, 0.3403, 0.3620
Android (android.graphics.Color)	4288978311 (0xFFA49D87)
YUV	156.5850, -10.6414, 6.5030
Hunter-Lab	58.0997, -4.1594, 12.3366

Details

The XYZ color **31.7400, 33.7557, 27.7643** is a light color, and the websafe version is hex **999999**. A complement of this color would be **26.3655, 27.1767, 38.9783**, and the grayscale version is **31.9049, 33.5664, 36.5539**.

A 20% lighter version of the original color is **61.5848, 65.2794, 56.9313**, and **13.4758, 14.4087, 10.6652** is the 20% darker color. If you saturate the color by 10%, you get **30.0148, 32.0129, 21.9246**, and if you desaturate by 10%, it is **33.6666, 35.6161, 34.5495**.

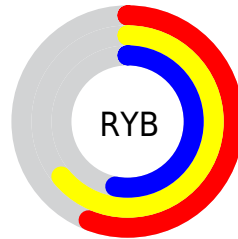
Distribution



Red (64%)

Green (62%)

Blue (53%)



Red (56%)

Yellow (64%)

Blue (53%)

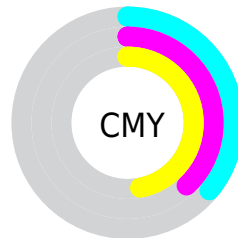


Cyan (0%)

Magenta (4%)

Yellow (18%)

Black (36%)



Cyan (36%)

Magenta (38%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7400, 33.7557, 27.7643 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 31.7400, 33.7557, 27.7643 by changing the saturation by 10% instead.

■ 31.7400, 33.7557,
27.7643

■ 31.7400, 33.7557,
27.7643

301.6995,
319.0414, 305.2154

■ 21.3176, 22.7060,
17.9106

■ 61.7712, 65.5536,
57.1265

■ 13.4701, 14.3766,
10.7170

■ 82.1107, 87.0705,
77.4720

■ 7.8323, 8.3830,
5.7651

■ 106.4866,
112.8454, 102.1519

■ 4.0387, 4.3410,
2.6363

135.2643,
143.2625, 131.5846

■ 1.7241, 1.8661,
0.9111

168.8090,
178.7062, 166.1888

■ 0.4713, 0.5279,
0.0000

207.4863,

■ 0.0000, 0.0000,

219.5610, 206.3830

0.0000

251.6613,
266.2113, 252.5856

■ 31.7400, 33.7557,
27.7643

■ 31.7400, 33.7557,
27.7643

■ 30.0148, 32.0129,
21.9246

■ 33.6666, 35.6161,
34.5495

■ 28.4800, 30.3794,
16.9855

■ 35.7997, 37.5929,
42.3182

■ 27.1275, 28.8529,
12.9015

■ 38.1475, 39.6910,
51.1088

■ 25.9476, 27.4292,
9.6225

■ 40.7170, 41.9134,
60.9570

■ 24.9296, 26.1036,
7.0928

■ 43.5149, 44.2631,
71.8969

■ 24.0613, 24.8709,
5.2500

■ 46.5475, 46.7429,
83.9610

■ 23.3287, 23.7252,
4.0211

■ 49.8209, 49.3555,
97.1803

■ 22.7087, 22.6568,
3.2855

■ 51.4842, 51.3610,
101.8079

■ 22.5720, 22.4165,
3.1372

■ 52.3450, 53.0827,
102.0948

Harmonies

Analogous

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



33.5244, 33.7557, 28.4539



31.7400, 33.7557, 27.7643



30.1086, 33.7557, 29.2951

Triad

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



31.7400, 33.7557, 27.7643



29.3609, 33.7557, 42.8391



35.3367, 33.7557, 40.9714

Complementary

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



31.7400, 33.7557, 27.7643



26.3655, 27.1767, 38.9783

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.



34.1435, 33.7557, 45.3828



31.7400, 33.7557, 27.7643



30.6851, 33.7557, 46.5296

Square

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



31.7400, 33.7557, 27.7643



28.7684, 33.7557, 37.7512



32.4300, 33.7557, 47.5012



35.6446, 33.7557, 35.7749

Rectangle

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



31.7400, 33.7557, 27.7643



29.3132, 33.7557, 31.4612



32.4300, 33.7557, 47.5012



35.0237, 33.7557, 42.6099

Sweetspot

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



31.7409, 33.7572, 27.7650



62.0756, 65.5567, 66.1885



28.8755, 27.1814, 29.4148



13.5162, 14.2807, 14.2724



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.



31.7409, 33.7572, 27.7650



56.4099, 60.0751, 46.2660



31.5049, 35.4435, 28.1029



7.5040, 7.9463, 7.5184



17.3452, 17.2643, 2.4182



0.3976, 0.4291, 0.0619

Inverse Universe

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



26.3655, 27.1767, 38.9783



44.9077, 45.9955, 70.2635



26.5635, 25.7817, 38.6986



6.8328, 7.1246, 8.9181



5.7409, 3.2612, 27.2567



0.1547, 0.1367, 0.5841

Previews

White Background



This preview shows how the XYZ color 31.7400, 33.7557, 27.7643 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 31.7400, 33.7557, 27.7643 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

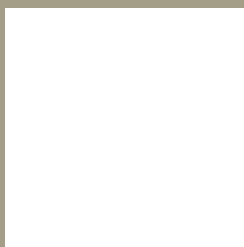
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7400, 33.7557, 27.7643

Background



This preview shows how black text looks on a background with the XYZ color 31.7400, 33.7557, 27.7643.

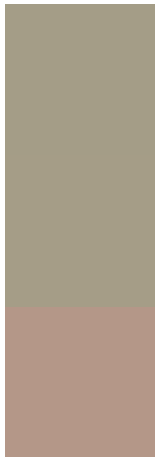


This preview shows how white text looks on a background with the XYZ color 31.7400, 33.7557,

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

31.7400, 33.7557, 27.7643

Protanopia

31.9472, 33.8625, 27.7740

Deuteranopia

34.3329, 33.6141, 27.9712



Tritanopia

34.3312, 33.8239, 40.3165

Trichromacy



Original Color

31.7400, 33.7557, 27.7643

Protanomaly

31.9472, 33.8625, 27.7740

Deuteranomaly

33.2907, 33.5587, 28.0154

Tritanomaly

33.3247, 33.6598, 35.3124

Monochromacy



Original Color

31.7400, 33.7557, 27.7643

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.9790, 33.7575, 33.2641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7400, 33.7557, 27.7643 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, 157, 135)` looks like.

```
.text, #text, p{  
    color:rgb(164, 157, 135)  
}
```

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, 157, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 157, 135) }
```

Border

The CSS property to change the border of an element to XYZ 31.7400, 33.7557, 27.7643 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, 157, 135) }
```


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

```
.border{ border-color:rgb(164, 157, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 157, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 157, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 157, 135);  
box-shadow:4px 4px 4px 4px rgb(164, 157,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7400, 33.7557, 27.7643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 157, 135) }
```

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

```
.background{ background-color: rgb(164,  
157, 135) }
```

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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