

Converting Colors

XYZ(32.8266, 37.9720, 33.0299)

Have a look what the booklet for
XYZ(32.8266, 37.9720, 33.0299)
contains.

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Color

**XYZ(32.7783, 37.9078,
33.1931)**

Conversions

Conversions Part 1

Format	Color
Hex	98AB93
RGB	152, 171, 147
RGB Percent	60%, 67%, 58%
CMY	0.4039, 0.3294, 0.4235
CMYK	0.11, 0.00, 0.14, 0.33
HSL	108°, 13%, 62%
HSV	108°, 14%, 67%
XYZ	32.7783, 37.9078, 33.1931
YIQ	162.5830, -3.6200, -11.4920

Conversions

Conversions Part 2

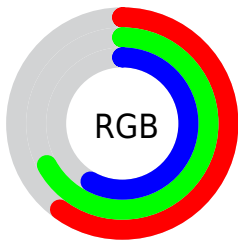
Format	Color
RYB	147, 171, 166
Decimal	10005395
CIELab	67.95, -11.23, 10.14
CIElCh	68, 15.133, 137.920
Yxy	37.9078, 0.3155, 0.3649
Android (android.graphics.Color)	4288195475 (0xFF98AB93)
YUV	162.5830, -7.6824, -9.2813
Hunter-Lab	61.5693, -12.7164, 11.1342

Details

The XYZ color **32.7783, 37.9078, 33.1931** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.5117, 31.9157, 42.9241**, and the grayscale version is **34.6534, 36.4580, 39.7028**.

A 20% lighter version of the original color is **63.1926, 71.7316, 65.7733**, and **14.0750, 16.8049, 13.5682** is the 20% darker color. If you saturate the color by 10%, you get **29.1442, 36.1792, 26.5315**, and if you desaturate by 10%, it is **36.9032, 39.8686, 40.9206**.

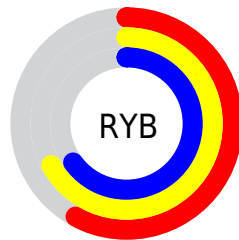
Distribution



Red (60%)

Green (67%)

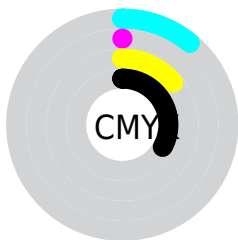
Blue (58%)



Red (58%)

Yellow (67%)

Blue (65%)

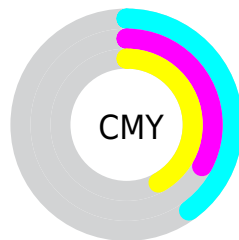


Cyan (11%)

Magenta (0%)

Yellow (14%)

Black (33%)



Cyan (40%)

Magenta (33%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7783, 37.9078, 33.1931 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 32.7783, 37.9078, 33.1931 by changing the saturation by 10% instead.

■ 32.7783, 37.9078,
33.1931

■ 32.7783, 37.9078,
33.1931

306.3322,
337.2243, 331.1776

■ 22.1151, 25.9111,
22.0021

■ 63.3862, 71.9668,
65.7964

■ 14.0586, 16.7572,
13.6601

■ 84.0617, 94.7979,
88.0457

■ 8.2434, 10.0615,
7.7486

108.8052,
122.0093, 114.8182

■ 4.3042, 5.4398,
3.8490

137.9823,
153.9854, 146.5325

■ 1.8756, 2.5075,
1.5429

171.9581,
191.1105, 183.6070

■ 0.5626, 0.8804,
0.2496

211.0982,

■ 0.0000, 0.0000,

233.7691, 226.4603

0.0000

255.7678,
282.3456, 275.5110

■ 32.7783, 37.9078,
33.1931

■ 32.7783, 37.9078,
33.1931

■ 29.1442, 36.1792,
26.5315

■ 36.9032, 39.8686,
40.9206

■ 25.9795, 34.6694,
20.8866

■ 41.5333, 42.0648,
49.7552

■ 23.2654, 33.3709,
16.2091

■ 46.6862, 44.5055,
59.7390

■ 20.9810, 32.2742,
12.4447

■ 52.3777, 47.1983,
70.9113

■ 19.1034, 31.3688,
9.5337

■ 58.6230, 50.1499,
83.3094

■ 17.6076, 30.6431,
7.4091

■ 65.4366, 53.3671,
96.9690

■ 16.4656, 30.0845,
5.9942

■ 70.8901, 56.0795,
101.6959

■ 15.6452, 29.6784,
5.1968

■ 73.8536, 57.6073,
101.8345

■ 15.2780, 29.4956,
4.8880

Harmonies

Analogous

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



34.6572, 37.9078, 30.1422



32.7783, 37.9078, 33.1931



31.7884, 37.9078, 38.6248

Triad

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



32.7783, 37.9078, 33.1931



35.0925, 37.9078, 55.2724



40.5046, 37.9078, 37.4186

Complementary

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



32.7783, 37.9078, 33.1931



33.5117, 31.9157, 42.9241

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.



40.6336, 37.9078, 44.0440



32.7783, 37.9078, 33.1931



37.4390, 37.9078, 54.8587

Square

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



32.7783, 37.9078, 33.1931



33.0850, 37.9078, 51.6484



39.4904, 37.9078, 50.5729



39.1452, 37.9078, 32.3930

Rectangle

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



32.7783, 37.9078, 33.1931



31.7360, 37.9078, 43.0848



39.4904, 37.9078, 50.5729



40.6954, 37.9078, 39.5169

Sweetspot

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



32.7793, 37.9094, 33.1939



66.0615, 71.3863, 73.2319



35.6625, 37.9660, 33.0529



14.6036, 15.8585, 16.0884



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.



32.7793, 37.9094, 33.1939



56.4835, 66.8346, 55.3453



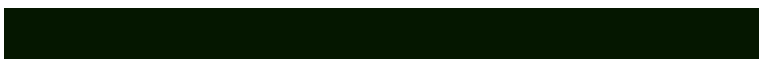
32.4128, 37.6570, 36.0457



8.0546, 9.0167, 8.5292



11.5536, 22.2532, 3.6864



0.3652, 0.6417, 0.1046

Inverse Universe

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



33.5117, 31.9157, 42.9241



58.0632, 53.8984, 76.3451



33.9486, 32.2139, 39.6469



8.1713, 8.0626, 10.0783



13.1643, 6.1463, 29.5370



0.4068, 0.1919, 0.8236

Previews

White Background



This preview shows how the XYZ color 32.7783, 37.9078, 33.1931 looks on a white background.

Color Contrast Check

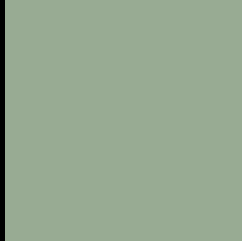
Large Text (above 18pt) WCAG AA × Fail

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 32.7783, 37.9078, 33.1931 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 32.7783, 37.9078, 33.1931

Background



This preview shows how black text looks on a background with the XYZ color 32.7783, 37.9078, 33.1931.



This preview shows how white text looks on a background with the XYZ color 32.7783, 37.9078,

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

32.7783, 37.9078, 33.1931

Protanopia

35.7228, 37.8081, 31.8005

Deuteranopia

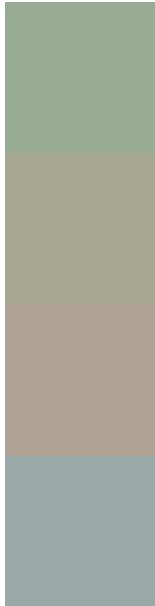
38.3165, 37.5310, 33.6585



Tritanopia

35.7791, 37.7358, 48.5780

Trichromacy



Original Color

32.7783, 37.9078, 33.1931

Protanomaly

34.4466, 37.6811, 32.2457

Deuteranomaly

35.8980, 37.3312, 33.3306

Tritanomaly

34.5881, 37.8010, 42.5191

Monochromacy



Original Color

32.7783, 37.9078, 33.1931

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.0201, 37.0777, 37.2619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7783, 37.9078, 33.1931 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(152, 171, 147)` looks like.

```
.text, #text, p{  
    color:rgb(152, 171, 147)  
}
```

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(152, 171, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 171, 147) }
```

Border

The CSS property to change the border of an element to XYZ 32.7783, 37.9078, 33.1931 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(152, 171, 147) }
```


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

```
.border{ border-color:rgb(152, 171, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 171, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 171, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 171, 147);  
box-shadow:4px 4px 4px 4px rgb(152, 171,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7783, 37.9078, 33.1931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 171, 147) }
```

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

```
.background{ background-color: rgb(152,  
171, 147) }
```

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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