

Converting Colors

XYZ(31.6228, 32.1434, 28.9857)

Have a look what the booklet for
XYZ(31.6228, 32.1434, 28.9857)
contains.

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Color

**XYZ(31.6632, 32.2128,
28.9750)**

Conversions

Conversions Part 1

Format	Color
Hex	A7978B
RGB	167, 151, 139
RGB Percent	65%, 59%, 55%
CMY	0.3451, 0.4078, 0.4549
CMYK	0.00, 0.10, 0.17, 0.35
HSL	26°, 14%, 60%
HSV	26°, 17%, 65%
XYZ	31.6632, 32.2128, 28.9750
YIQ	154.4160, 13.3880, -0.3400

Conversions

Conversions Part 2

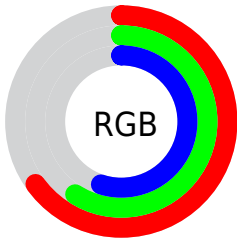
Format	Color
RYB	167, 160, 139
Decimal	10983307
CIELab	63.52, 3.86, 8.46
CIELCh	64, 9.297, 65.474
Yxy	32.2128, 0.3410, 0.3469
Android (android.graphics.Color)	4289173387 (0xFFA7978B)
YUV	154.4160, -7.6001, 11.0362
Hunter-Lab	56.7563, 0.2580, 9.4609

Details

The XYZ color **31.6632, 32.2128, 28.9750** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.3438, 31.7211, 41.1358**, and the grayscale version is **30.9270, 32.5376, 35.4335**.

A 20% lighter version of the original color is **61.4700, 62.9980, 58.7892**, and **13.4306, 13.4804, 11.3453** is the 20% darker color. If you saturate the color by 10%, you get **29.0614, 28.8148, 22.5405**, and if you desaturate by 10%, it is **34.5775, 35.9368, 36.4341**.

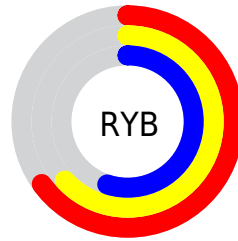
Distribution



Red (65%)

Green (59%)

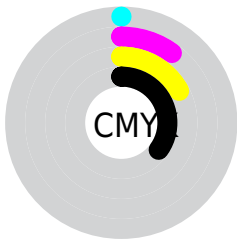
Blue (55%)



Red (65%)

Yellow (63%)

Blue (55%)

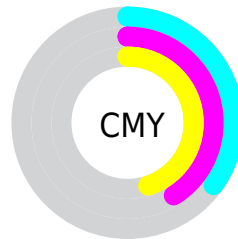


Cyan (0%)

Magenta (10%)

Yellow (17%)

Black (35%)



Cyan (35%)

Magenta (41%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6632, 32.2128, 28.9750 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 31.6632, 32.2128, 28.9750 by changing the saturation by 10% instead.

■ 31.6632, 32.2128,
28.9750

■ 31.6632, 32.2128,
28.9750

301.3548,
312.0875, 311.1542

■ 21.2587, 21.5241,
18.8165

■ 61.6515, 63.1445,
59.0791

■ 13.4268, 13.5076,
11.3623

■ 81.9660, 84.1564,
79.8617

■ 7.8021, 7.7790,
6.1938

■ 106.3145,
109.3780, 105.0228

■ 4.0193, 3.9539,
2.8926

135.0623,
139.1939, 134.9809

■ 1.7131, 1.6478,
1.0401

168.5749,
173.9884, 170.1546

■ 0.4644, 0.3895,
0.0000

207.2177,

■ 0.0000, 0.0000,

214.1459, 210.9623

0.0000

251.3558,
260.0508, 257.8227

■ 31.6632, 32.2128,
28.9750

■ 31.6632, 32.2128,
28.9750

■ 29.0614, 28.8148,
22.5405

■ 34.5775, 35.9368,
36.4341

■ 26.7580, 25.7293,
17.0831

■ 37.8124, 39.9914,
44.9583

■ 24.7419, 22.9480,
12.5548

■ 41.3789, 44.3863,
54.5884

■ 23.0001, 20.4606,
8.9024

■ 45.2868, 49.1298,
65.3623

■ 21.5182, 18.2563,
6.0674

■ 49.5453, 54.2297,
77.3163

■ 20.2806, 16.3231,
3.9840

■ 54.1633, 59.6935,
90.4850

■ 19.2695, 14.6482,
2.5759

■ 59.0039, 65.4703,
104.1349

■ 18.4602, 13.2157,
1.7330

■ 61.5466, 70.5558,
104.9825

■ 18.2275, 12.7975,
1.5095

■ 64.2341, 75.9308,
105.8783

Harmonies

Analogous

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



32.6914, 32.2128, 31.0942



31.6632, 32.2128, 28.9750



30.3802, 32.2128, 28.4402

Triad

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



31.6632, 32.2128, 28.9750



28.2036, 32.2128, 35.7593



32.0860, 32.2128, 41.2119

Complementary

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



31.6632, 32.2128, 28.9750



29.3438, 31.7211, 41.1358

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.



30.8556, 32.2128, 42.6673



31.6632, 32.2128, 28.9750



28.6328, 32.2128, 39.3802

Square

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



31.6632, 32.2128, 28.9750



28.4061, 32.2128, 32.1950



29.5947, 32.2128, 41.9745



32.9403, 32.2128, 38.1203

Rectangle

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



31.6632, 32.2128, 28.9750



29.5582, 32.2128, 29.0190



29.5947, 32.2128, 41.9745



31.7014, 32.2128, 41.9183

Sweetspot

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



31.6641, 32.2142, 28.9757



62.8556, 65.5348, 67.6734



31.1138, 29.0590, 35.1268



13.9815, 14.5590, 14.9239



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.6641, 32.2142, 28.9757



54.9686, 55.4380, 47.5419



33.9920, 36.8701, 29.7517



7.7857, 8.0514, 7.9330



13.9945, 9.8863, 1.1707



0.3916, 0.3428, 0.0455

Inverse Universe

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



29.3438, 31.7211, 41.1358



50.0462, 54.3910, 73.3361



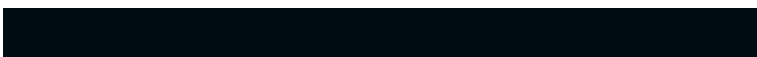
27.1971, 27.4277, 40.4202



7.4741, 7.9852, 9.5657



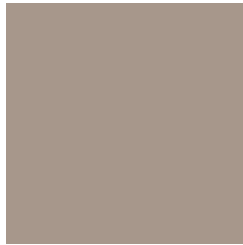
8.5465, 8.5532, 29.1760



0.2572, 0.3066, 0.7263

Previews

White Background



This preview shows how the XYZ color 31.6632, 32.2128, 28.9750 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 31.6632, 32.2128, 28.9750 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

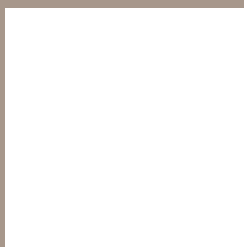
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6632, 32.2128, 28.9750

Background



This preview shows how black text looks on a background with the XYZ color 31.6632, 32.2128, 28.9750.



This preview shows how white text looks on a background with the XYZ color 31.6632, 32.2128,

28.9750.

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

31.6632, 32.2128, 28.9750

Protanopia

30.6221, 32.1495, 29.4025

Deuteranopia

32.7791, 32.0719, 29.2738



Tritanopia

33.5126, 32.2639, 37.7190

Trichromacy



Original Color

31.6632, 32.2128, 28.9750

Protanomaly

31.0661, 32.1365, 29.3765

Deuteranomaly

32.2757, 32.0463, 29.2954

Tritanomaly

32.7771, 32.1969, 34.1928

Monochromacy



Original Color

31.6632, 32.2128, 28.9750

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.1141, 32.3233, 33.0329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6632, 32.2128, 28.9750 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(167, 151, 139)` looks like.

```
.text, #text, p{  
    color:rgb(167, 151, 139)  
}
```

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(167, 151, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 151, 139) }
```

Border

The CSS property to change the border of an element to XYZ 31.6632, 32.2128, 28.9750 is called "border". The border property can be set on classes, ids or directly on the HTML element.

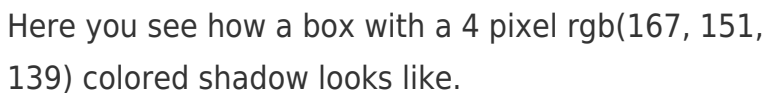
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 151, 139) }
```


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

```
.border{ border-color:rgb(167, 151, 139) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 151, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 151, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 151, 139); box-shadow:4px 4px 4px 4px rgb(167, 151, 139) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6632, 32.2128, 28.9750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 151, 139) }
```

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

```
.background{ background-color: rgb(167,  
151, 139) }
```

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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